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## multiple barcode generation with barcode sdk in C# and ByteScout Barcode Suite

Build multiple barcode generation with barcode sdk in C#

:

Step-by-step instructions on how to do multiple barcode generation with barcode sdk in C#

This page explains the steps and algorithm of implementing multiple barcode generation with barcode sdk and how to make it work in your application. ByteScout Barcode Suite was made to help with multiple barcode generation with barcode sdk in C#. ByteScout Barcode Suite is the set that includes three different SDK products to generate barcodes, read barcodes and read and write spreadsheets: Barcode SDK, Barcode Reader SDK and Spreadsheet SDK.

The below SDK samples describe how to quickly make your application do multiple barcode generation with barcode sdk in C# with the help of ByteScout Barcode Suite. If you want to implement this functionality, you should copy and paste code below into your app using code editor. Then compile and run your application. This basic programming language sample code for C# will do the whole work for you in implementing multiple barcode generation with barcode sdk in your app.

If you want to try other samples for C# then free trial version of ByteScout Barcode Suite is available on our website.

FOR MORE INFORMATION AND FREE TRIAL:

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## Source Code Files:

Form1.Designer.cs

```
namespace MultipleBarcodeGeneration
{
    partial class Form1
    {
        /// <summary>
        /// Required designer variable.
        /// </summary>
        private System.ComponentModel.IContainer components = null;

        /// <summary>
        /// Clean up any resources being used.
        /// </summary>
        /// <param name="disposing">true if managed resources should be disposed.
        protected override void Dispose(bool disposing)
        {
            if (disposing && (components != null))
            {
                components.Dispose();
            }
            base.Dispose(disposing);
        }

        #region Windows Form Designer generated code

        /// <summary>
        /// Required method for Designer support - do not modify
        /// the contents of this method with the code editor.
        /// </summary>
        private void InitializeComponent()
        {
            this.progressBar = new System.Windows.Forms.ProgressBar();
            this.groupBox3 = new System.Windows.Forms.GroupBox();
            this.label33 = new System.Windows.Forms.Label();
            this.label28 = new System.Windows.Forms.Label();
            this.tbValueTemplate = new System.Windows.Forms.TextBox();
            this.nudValueStartAt = new System.Windows.Forms.NumericUpDown();
            this.label24 = new System.Windows.Forms.Label();
            this.cmbValueDigits = new System.Windows.Forms.ComboBox();
            this.nudValueEndAt = new System.Windows.Forms.NumericUpDown();
            this.nudValueStepBy = new System.Windows.Forms.NumericUpDown();
            this.label30 = new System.Windows.Forms.Label();
            this.label31 = new System.Windows.Forms.Label();
            this.label32 = new System.Windows.Forms.Label();
            this.groupBox2 = new System.Windows.Forms.GroupBox();
            this.nudCounterStartAt = new System.Windows.Forms.NumericUpDown();
            this.label25 = new System.Windows.Forms.Label();
            this.label34 = new System.Windows.Forms.Label();
            this.label22 = new System.Windows.Forms.Label();
            this.cmbCounterDigits = new System.Windows.Forms.ComboBox();
            this.tbFileNameTemplate = new System.Windows.Forms.TextBox();
            this.groupBox3.SuspendLayout();
            ((System.ComponentModel.ISupportInitialize)(this.nudValueStartAt)).BeginInit();
            ((System.ComponentModel.ISupportInitialize)(this.nudValueEndAt)).BeginInit();
            ((System.ComponentModel.ISupportInitialize)(this.nudValueStepBy)).BeginInit();
            this.groupBox2.SuspendLayout();
            ((System.ComponentModel.ISupportInitialize)(this.nudCounterStartAt)).BeginInit();
            this.SuspendLayout();

            // 
            // groupBox3
            // 
            this.groupBox3.Controls.Add(this.label33);
            this.groupBox3.Controls.Add(this.label28);
            this.groupBox3.Controls.Add(this.tbValueTemplate);
            this.groupBox3.Controls.Add(this.nudValueStartAt);
            this.groupBox3.Controls.Add(this.label24);
            this.groupBox3.Controls.Add(this.cmbValueDigits);
            this.groupBox3.Controls.Add(this.nudValueEndAt);
            this.groupBox3.Controls.Add(this.nudValueStepBy);
            this.groupBox3.Controls.Add(this.label30);
            this.groupBox3.Controls.Add(this.label31);
            this.groupBox3.Controls.Add(this.label32);
            this.groupBox3.Location = new System.Drawing.Point(12, 12);
            this.groupBox3.Name = "groupBox3";
            this.groupBox3.Size = new System.Drawing.Size(450, 200);
            this.groupBox3.TabIndex = 1;
            this.groupBox3.TabStop = false;
            this.groupBox3.Text = "Value Generation Settings";

            // 
            // nudValueStartAt
            // 
            this.nudValueStartAt.DecimalPlaces = 2;
            this.nudValueStartAt.Increment = new decimal(new int[] { 1, 0, 0, 0 });
            this.nudValueStartAt.Location = new System.Drawing.Point(12, 12);
            this.nudValueStartAt.Name = "nudValueStartAt";
            this.nudValueStartAt.Size = new System.Drawing.Size(100, 20);
            this.nudValueStartAt.TabIndex = 2;
            this.nudValueStartAt.Value = new decimal(new int[] { 1, 0, 0, 0 });

            // 
            // nudValueEndAt
            // 
            this.nudValueEndAt.DecimalPlaces = 2;
            this.nudValueEndAt.Increment = new decimal(new int[] { 1, 0, 0, 0 });
            this.nudValueEndAt.Location = new System.Drawing.Point(12, 12);
            this.nudValueEndAt.Name = "nudValueEndAt";
            this.nudValueEndAt.Size = new System.Drawing.Size(100, 20);
            this.nudValueEndAt.TabIndex = 3;
            this.nudValueEndAt.Value = new decimal(new int[] { 1, 0, 0, 0 });

            // 
            // nudValueStepBy
            // 
            this.nudValueStepBy.DecimalPlaces = 2;
            this.nudValueStepBy.Increment = new decimal(new int[] { 1, 0, 0, 0 });
            this.nudValueStepBy.Location = new System.Drawing.Point(12, 12);
            this.nudValueStepBy.Name = "nudValueStepBy";
            this.nudValueStepBy.Size = new System.Drawing.Size(100, 20);
            this.nudValueStepBy.TabIndex = 4;
            this.nudValueStepBy.Value = new decimal(new int[] { 1, 0, 0, 0 });

            // 
            // groupBox2
            // 
            this.groupBox2.Controls.Add(this.nudCounterStartAt);
            this.groupBox2.Controls.Add(this.label25);
            this.groupBox2.Controls.Add(this.label34);
            this.groupBox2.Controls.Add(this.label22);
            this.groupBox2.Controls.Add(this.cmbCounterDigits);
            this.groupBox2.Controls.Add(this.tbFileNameTemplate);
            this.groupBox2.Location = new System.Drawing.Point(470, 12);
            this.groupBox2.Name = "groupBox2";
            this.groupBox2.Size = new System.Drawing.Size(450, 200);
            this.groupBox2.TabIndex = 2;
            this.groupBox2.TabStop = false;
            this.groupBox2.Text = "File Generation Settings";

            // 
            // nudCounterStartAt
            // 
            this.nudCounterStartAt.DecimalPlaces = 2;
            this.nudCounterStartAt.Increment = new decimal(new int[] { 1, 0, 0, 0 });
            this.nudCounterStartAt.Location = new System.Drawing.Point(12, 12);
            this.nudCounterStartAt.Name = "nudCounterStartAt";
            this.nudCounterStartAt.Size = new System.Drawing.Size(100, 20);
            this.nudCounterStartAt.TabIndex = 2;
            this.nudCounterStartAt.Value = new decimal(new int[] { 1, 0, 0, 0 });

            // 
            // tbFileNameTemplate
            // 
            this.tbFileNameTemplate.Location = new System.Drawing.Point(12, 12);
            this.tbFileNameTemplate.Name = "tbFileNameTemplate";
            this.tbFileNameTemplate.Size = new System.Drawing.Size(100, 20);
            this.tbFileNameTemplate.TabIndex = 5;
            this.tbFileNameTemplate.Text = "File Name Template";

            // 
            // label33
            // 
            this.label33.AutoSize = true;
            this.label33.Location = new System.Drawing.Point(12, 12);
            this.label33.Name = "label33";
            this.label33.Size = new System.Drawing.Size(100, 20);
            this.label33.Text = "Value Generation Settings";

            // 
            // label28
            // 
            this.label28.AutoSize = true;
            this.label28.Location = new System.Drawing.Point(12, 12);
            this.label28.Name = "label28";
            this.label28.Size = new System.Drawing.Size(100, 20);
            this.label28.Text = "File Generation Settings";

            // 
            // label24
            // 
            this.label24.AutoSize = true;
            this.label24.Location = new System.Drawing.Point(12, 12);
            this.label24.Name = "label24";
            this.label24.Size = new System.Drawing.Size(100, 20);
            this.label24.Text = "Label 24";

            // 
            // cmbValueDigits
            // 
            this.cmbValueDigits.FormattingEnabled = true;
            this.cmbValueDigits.Location = new System.Drawing.Point(12, 12);
            this.cmbValueDigits.Name = "cmbValueDigits";
            this.cmbValueDigits.Size = new System.Drawing.Size(100, 20);
            this.cmbValueDigits.TabIndex = 6;
            this.cmbValueDigits.Text = "Value Digits";

            // 
            // label30
            // 
            this.label30.AutoSize = true;
            this.label30.Location = new System.Drawing.Point(12, 12);
            this.label30.Name = "label30";
            this.label30.Size = new System.Drawing.Size(100, 20);
            this.label30.Text = "Label 30";

            // 
            // label31
            // 
            this.label31.AutoSize = true;
            this.label31.Location = new System.Drawing.Point(12, 12);
            this.label31.Name = "label31";
            this.label31.Size = new System.Drawing.Size(100, 20);
            this.label31.Text = "Label 31";

            // 
            // label32
            // 
            this.label32.AutoSize = true;
            this.label32.Location = new System.Drawing.Point(12, 12);
            this.label32.Name = "label32";
            this.label32.Size = new System.Drawing.Size(100, 20);
            this.label32.Text = "Label 32";

            // 
            // groupBox2
            // 
            this.groupBox2.Controls.Add(this.nudCounterStartAt);
            this.groupBox2.Controls.Add(this.label25);
            this.groupBox2.Controls.Add(this.label34);
            this.groupBox2.Controls.Add(this.label22);
            this.groupBox2.Controls.Add(this.cmbCounterDigits);
            this.groupBox2.Controls.Add(this.tbFileNameTemplate);
            this.groupBox2.Location = new System.Drawing.Point(470, 12);
            this.groupBox2.Name = "groupBox2";
            this.groupBox2.Size = new System.Drawing.Size(450, 200);
            this.groupBox2.TabIndex = 2;
            this.groupBox2.TabStop = false;
            this.groupBox2.Text = "File Generation Settings";

            // 
            // nudCounterStartAt
            // 
            this.nudCounterStartAt.DecimalPlaces = 2;
            this.nudCounterStartAt.Increment = new decimal(new int[] { 1, 0, 0, 0 });
            this.nudCounterStartAt.Location = new System.Drawing.Point(12, 12);
            this.nudCounterStartAt.Name = "nudCounterStartAt";
            this.nudCounterStartAt.Size = new System.Drawing.Size(100, 20);
            this.nudCounterStartAt.TabIndex = 2;
            this.nudCounterStartAt.Value = new decimal(new int[] { 1, 0, 0, 0 });

            // 
            // tbFileNameTemplate
            // 
            this.tbFileNameTemplate.Location = new System.Drawing.Point(12, 12);
            this.tbFileNameTemplate.Name = "tbFileNameTemplate";
            this.tbFileNameTemplate.Size = new System.Drawing.Size(100, 20);
            this.tbFileNameTemplate.TabIndex = 5;
            this.tbFileNameTemplate.Text = "File Name Template";

            // 
            // label25
            // 
            this.label25.AutoSize = true;
            this.label25.Location = new System.Drawing.Point(12, 12);
            this.label25.Name = "label25";
            this.label25.Size = new System.Drawing.Size(100, 20);
            this.label25.Text = "Label 25";

            // 
            // label34
            // 
            this.label34.AutoSize = true;
            this.label34.Location = new System.Drawing.Point(12, 12);
            this.label34.Name = "label34";
            this.label34.Size = new System.Drawing.Size(100, 20);
            this.label34.Text = "Label 34";

            // 
            // label22
            // 
            this.label22.AutoSize = true;
            this.label22.Location = new System.Drawing.Point(12, 12);
            this.label22.Name = "label22";
            this.label22.Size = new System.Drawing.Size(100, 20);
            this.label22.Text = "Label 22";

            // 
            // cmbCounterDigits
            // 
            this.cmbCounterDigits.FormattingEnabled = true;
            this.cmbCounterDigits.Location = new System.Drawing.Point(12, 12);
            this.cmbCounterDigits.Name = "cmbCounterDigits";
            this.cmbCounterDigits.Size = new System.Drawing.Size(100, 20);
            this.cmbCounterDigits.TabIndex = 6;
            this.cmbCounterDigits.Text = "Counter Digits";

            // 
            // tbFileNameTemplate
            // 
            this.tbFileNameTemplate.Location = new System.Drawing.Point(12, 12);
            this.tbFileNameTemplate.Name = "tbFileNameTemplate";
            this.tbFileNameTemplate.Size = new System.Drawing.Size(100, 20);
            this.tbFileNameTemplate.TabIndex = 5;
            this.tbFileNameTemplate.Text = "File Name Template";
        }

        #endregion
    }
}
```

```
this.label26 = new System.Windows.Forms.Label();
this.nudCounterStepBy = new System.Windows.Forms.NumericUpDown();
this.label27 = new System.Windows.Forms.Label();
this.btnGenerate = new System.Windows.Forms.Button();
this.label29 = new System.Windows.Forms.Label();
this.cmbImageFormat = new System.Windows.Forms.ComboBox();
this.label1 = new System.Windows.Forms.Label();
this.cmbBarcodeType = new System.Windows.Forms.ComboBox();
this.groupBox3.SuspendLayout();
((System.ComponentModel.ISupportInitialize) (this.nudValueStartAt)).BeginInit();
((System.ComponentModel.ISupportInitialize) (this.nudValueEndAt)).BeginInit();
((System.ComponentModel.ISupportInitialize) (this.nudValueStepBy)).BeginInit();
this.groupBox2.SuspendLayout();
((System.ComponentModel.ISupportInitialize) (this.nudCounterStepBy)).BeginInit();
((System.ComponentModel.ISupportInitialize) (this.nudCounterStartAt)).BeginInit();
this.SuspendLayout();
//
// progressBar
//
this.progressBar.Anchor = ((System.Windows.Forms.AnchorStyles) (((System.Windows.Forms.AnchorStyles.Top | System.Windows.Forms.AnchorStyles.Right) | System.Windows.Forms.AnchorStyles.Left) | System.Windows.Forms.AnchorStyles.Bottom));
this.progressBar.Location = new System.Drawing.Point(175, 395);
this.progressBar.Name = "progressBar";
this.progressBar.Size = new System.Drawing.Size(213, 10);
this.progressBar.TabIndex = 22;
this.progressBar.Visible = false;
//
// groupBox3
//
this.groupBox3.Anchor = ((System.Windows.Forms.AnchorStyles) (((System.Windows.Forms.AnchorStyles.Top | System.Windows.Forms.AnchorStyles.Right) | System.Windows.Forms.AnchorStyles.Left) | System.Windows.Forms.AnchorStyles.Bottom));
this.groupBox3.Controls.Add(this.label33);
this.groupBox3.Controls.Add(this.label28);
this.groupBox3.Controls.Add(this.tbValueTemplate);
this.groupBox3.Controls.Add(this.nudValueStartAt);
this.groupBox3.Controls.Add(this.label24);
this.groupBox3.Controls.Add(this.cmbValueDigits);
this.groupBox3.Controls.Add(this.nudValueEndAt);
this.groupBox3.Controls.Add(this.nudValueStepBy);
this.groupBox3.Controls.Add(this.label30);
this.groupBox3.Controls.Add(this.label31);
this.groupBox3.Controls.Add(this.label32);
this.groupBox3.Font = new System.Drawing.Font("Tahoma", 8.25F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point);
this.groupBox3.Location = new System.Drawing.Point(12, 43);
this.groupBox3.Name = "groupBox3";
this.groupBox3.Size = new System.Drawing.Size(376, 160);
this.groupBox3.TabIndex = 18;
this.groupBox3.TabStop = false;
this.groupBox3.Text = "Barcode Value";
//
// label33
//
this.label33.AutoSize = true;
this.label33.Font = new System.Drawing.Font("Microsoft Sans Serif", 8.25F, System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point);
this.label33.Location = new System.Drawing.Point(6, 52);
this.label33.Name = "label33";
this.label33.Size = new System.Drawing.Size(47, 13);
this.label33.TabIndex = 18;
this.label33.Text = "Counter:";
//
```

```
// label28
//
this.label28.AutoSize = true;
this.label28.Font = new System.Drawing.Font("Microsoft Sans Seri
this.label28.Location = new System.Drawing.Point(6, 23);
this.label28.Name = "label28";
this.label28.Size = new System.Drawing.Size(51, 13);
this.label28.TabIndex = 17;
this.label28.Text = "Template";
//
// tbValueTemplate
//
this.tbValueTemplate.Anchor = ((System.Windows.Forms.AnchorStyles)
    | System.Windows.Forms.AnchorStyles.Right);
this.tbValueTemplate.Font = new System.Drawing.Font("Microsoft
this.tbValueTemplate.Location = new System.Drawing.Point(106, 2
this.tbValueTemplate.Name = "tbValueTemplate";
this.tbValueTemplate.Size = new System.Drawing.Size(264, 20);
this.tbValueTemplate.TabIndex = 16;
this.tbValueTemplate.Text = "[N]";
//
// nudValueStartAt
//
this.nudValueStartAt.Font = new System.Drawing.Font("Microsoft
this.nudValueStartAt.Location = new System.Drawing.Point(106, 4
this.nudValueStartAt.Maximum = new decimal(new int[] {
    1410065408,
    2,
    0,
    0});
this.nudValueStartAt.Name = "nudValueStartAt";
this.nudValueStartAt.Size = new System.Drawing.Size(63, 20);
this.nudValueStartAt.TabIndex = 0;
this.nudValueStartAt.Value = new decimal(new int[] {
    1,
    0,
    0,
    0});
//
// label24
//
this.label24.AutoSize = true;
this.label24.Font = new System.Drawing.Font("Microsoft Sans Seri
this.label24.Location = new System.Drawing.Point(59, 53);
this.label24.Name = "label24";
this.label24.Size = new System.Drawing.Size(41, 13);
this.label24.TabIndex = 5;
this.label24.Text = "Start at";
//
// cmbValueDigits
//
this.cmbValueDigits.Font = new System.Drawing.Font("Microsoft S
this.cmbValueDigits.FormattingEnabled = true;
this.cmbValueDigits.Items.AddRange(new object[] {
    "1",
    "2",
    "3",
    "4",
    "5",
    "6",
```

```
"7",
"8",
"9",
"10"});  
        this.cmbValueDigits.Location = new System.Drawing.Point(106, 121);
        this.cmbValueDigits.Name = "cmbValueDigits";
        this.cmbValueDigits.Size = new System.Drawing.Size(63, 21);
        this.cmbValueDigits.TabIndex = 3;
        this.cmbValueDigits.Text = "3";
        //  
        // nudValueEndAt  
        //  
        this.nudValueEndAt.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.nudValueEndAt.Location = new System.Drawing.Point(106, 101);
        this.nudValueEndAt.Maximum = new decimal(new int[] {
            1410065408,
            2,
            0,
            0});  
        this.nudValueEndAt.Name = "nudValueEndAt";
        this.nudValueEndAt.Size = new System.Drawing.Size(63, 20);
        this.nudValueEndAt.TabIndex = 2;
        this.nudValueEndAt.Value = new decimal(new int[] {
            100,
            0,
            0,
            0});  
        //  
        // nudValueStepBy  
        //  
        this.nudValueStepBy.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.nudValueStepBy.Location = new System.Drawing.Point(106, 75);
        this.nudValueStepBy.Maximum = new decimal(new int[] {
            1410065408,
            2,
            0,
            0});  
        this.nudValueStepBy.Minimum = new decimal(new int[] {
            1,
            0,
            0,
            0});  
        this.nudValueStepBy.Name = "nudValueStepBy";
        this.nudValueStepBy.Size = new System.Drawing.Size(63, 20);
        this.nudValueStepBy.TabIndex = 1;
        this.nudValueStepBy.Value = new decimal(new int[] {
            1,
            0,
            0,
            0});  
        //  
        // label30  
        //  
        this.label30.AutoSize = true;
        this.label30.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.label30.Location = new System.Drawing.Point(59, 130);
        this.label30.Name = "label30";
        this.label30.Size = new System.Drawing.Size(33, 13);
        this.label30.TabIndex = 9;
        this.label30.Text = "Digits";
```

```

//  

// label31  

//  

this.label31.AutoSize = true;  

this.label31.Font = new System.Drawing.Font("Microsoft Sans Seri  

this.label31.Location = new System.Drawing.Point(59, 105);  

this.label31.Name = "label31";  

this.label31.Size = new System.Drawing.Size(38, 13);  

this.label31.TabIndex = 12;  

this.label31.Text = "End at";  

//  

// label32  

//  

this.label32.AutoSize = true;  

this.label32.Font = new System.Drawing.Font("Microsoft Sans Seri  

this.label32.Location = new System.Drawing.Point(59, 79);  

this.label32.Name = "label32";  

this.label32.Size = new System.Drawing.Size(43, 13);  

this.label32.TabIndex = 8;  

this.label32.Text = "Step by";  

//  

// groupBox2  

//  

this.groupBox2.Anchor = ((System.Windows.Forms.AnchorStyles)((  

    System.Windows.Forms.AnchorStyles.Top | System.Windows.Forms.AnchorStyles.Right));  

this.groupBox2.Controls.Add(this.nudCounterStartAt);  

this.groupBox2.Controls.Add(this.label25);  

this.groupBox2.Controls.Add(this.label34);  

this.groupBox2.Controls.Add(this.label22);  

this.groupBox2.Controls.Add(this.cmbCounterDigits);  

this.groupBox2.Controls.Add(this.tbFileNameTemplate);  

this.groupBox2.Controls.Add(this.label26);  

this.groupBox2.Controls.Add(this.nudCounterStepBy);  

this.groupBox2.Controls.Add(this.label27);  

this.groupBox2.Font = new System.Drawing.Font("Tahoma", 8.25F,  

this.groupBox2.Location = new System.Drawing.Point(12, 210);  

this.groupBox2.Name = "groupBox2";  

this.groupBox2.Size = new System.Drawing.Size(376, 131);  

this.groupBox2.TabIndex = 16;  

this.groupBox2.TabStop = false;  

this.groupBox2.Text = "File Name";  

//  

// nudCounterStartAt  

//  

this.nudCounterStartAt.Font = new System.Drawing.Font("Microsof  

this.nudCounterStartAt.Location = new System.Drawing.Point(106  

this.nudCounterStartAt.Maximum = new decimal(new int[] {  

    1410065408,  

    2,  

    0,  

    0});  

    this.nudCounterStartAt.Name = "nudCounterStartAt";  

    this.nudCounterStartAt.Size = new System.Drawing.Size(63, 20);  

    this.nudCounterStartAt.TabIndex = 0;  

    this.nudCounterStartAt.Value = new decimal(new int[] {  

        1,  

        0,  

        0,  

        0});  

    //
```

```
// label25
//
this.label25.AutoSize = true;
this.label25.Font = new System.Drawing.Font("Microsoft Sans Seri
this.label25.Location = new System.Drawing.Point(59, 51);
this.label25.Name = "label25";
this.label25.Size = new System.Drawing.Size(41, 13);
this.label25.TabIndex = 5;
this.label25.Text = "Start at";
//
// label34
//
this.label34.AutoSize = true;
this.label34.Font = new System.Drawing.Font("Microsoft Sans Seri
this.label34.Location = new System.Drawing.Point(6, 50);
this.label34.Name = "label34";
this.label34.Size = new System.Drawing.Size(47, 13);
this.label34.TabIndex = 19;
this.label34.Text = "Counter:";
//
// label22
//
this.label22.AutoSize = true;
this.label22.Font = new System.Drawing.Font("Microsoft Sans Seri
this.label22.Location = new System.Drawing.Point(6, 23);
this.label22.Name = "label22";
this.label22.Size = new System.Drawing.Size(51, 13);
this.label22.TabIndex = 19;
this.label22.Text = "Template";
//
// cmbCounterDigits
//
this.cmbCounterDigits.Font = new System.Drawing.Font("Microsof
this.cmbCounterDigits.FormattingEnabled = true;
this.cmbCounterDigits.Items.AddRange(new object[] {
    "1",
    "2",
    "3",
    "4",
    "5",
    "6",
    "7",
    "8",
    "9",
    "10"});
this.cmbCounterDigits.Location = new System.Drawing.Point(106,
this.cmbCounterDigits.Name = "cmbCounterDigits";
this.cmbCounterDigits.Size = new System.Drawing.Size(63, 21);
this.cmbCounterDigits.TabIndex = 3;
this.cmbCounterDigits.Text = "3";
//
// tbFileNameTemplate
//
this.tbFileNameTemplate.Anchor = ((System.Windows.Forms.AnchorS
    | System.Windows.Forms.AnchorStyles.Right));
this.tbFileNameTemplate.Font = new System.Drawing.Font("Microso
this.tbFileNameTemplate.Location = new System.Drawing.Point(106,
this.tbFileNameTemplate.Name = "tbFileNameTemplate";
this.tbFileNameTemplate.Size = new System.Drawing.Size(264, 20);
this.tbFileNameTemplate.TabIndex = 0;
```

```
this.tbFileNameTemplate.Text = "barcode[N]";  
//  
// label26  
//  
this.label26.AutoSize = true;  
this.label26.Font = new System.Drawing.Font("Microsoft Sans Seri  
this.label26.Location = new System.Drawing.Point(59, 77);  
this.label26.Name = "label26";  
this.label26.Size = new System.Drawing.Size(43, 13);  
this.label26.TabIndex = 8;  
this.label26.Text = "Step by";  
//  
// nudCounterStepBy  
//  
this.nudCounterStepBy.Font = new System.Drawing.Font("Microsoft  
this.nudCounterStepBy.Location = new System.Drawing.Point(106,  
this.nudCounterStepBy.Maximum = new decimal(new int[] {  
    1410065408,  
    2,  
    0,  
    0});  
this.nudCounterStepBy.Minimum = new decimal(new int[] {  
    1,  
    0,  
    0,  
    0});  
this.nudCounterStepBy.Name = "nudCounterStepBy";  
this.nudCounterStepBy.Size = new System.Drawing.Size(63, 20);  
this.nudCounterStepBy.TabIndex = 1;  
this.nudCounterStepBy.Value = new decimal(new int[] {  
    1,  
    0,  
    0,  
    0});  
//  
// label27  
//  
this.label27.AutoSize = true;  
this.label27.Font = new System.Drawing.Font("Microsoft Sans Seri  
this.label27.Location = new System.Drawing.Point(59, 102);  
this.label27.Name = "label27";  
this.label27.Size = new System.Drawing.Size(33, 13);  
this.label27.TabIndex = 9;  
this.label27.Text = "Digits";  
//  
// btnGenerate  
//  
this.btnGenerate.Anchor = ((System.Windows.Forms.AnchorStyles)  
    | System.Windows.Forms.AnchorStyles.Right);  
this.btnGenerate.Font = new System.Drawing.Font("Tahoma", 8.25F);  
this.btnGenerate.Image = global::MultipleBarcodeGeneration.Properties.  
this.btnGenerate.Location = new System.Drawing.Point(174, 353);  
this.btnGenerate.Name = "btnGenerate";  
this.btnGenerate.Padding = new System.Windows.Forms.Padding(3,  
this.btnGenerate.Size = new System.Drawing.Size(214, 41);  
this.btnGenerate.TabIndex = 20;  
this.btnGenerate.Text = "Generate multiple barcodes";  
this.btnGenerate.TextAlign = System.Drawing.ContentAlignment.MiddleCenter;  
this.btnGenerate.TextImageRelation = System.Windows.Forms.TextImageRelation.  
this.btnGenerate.UseVisualStyleBackColor = true;
```

```
this.btnAdd.Click += new System.EventHandler(this.btnAdd_Click);
//
// label29
//
this.label29.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.Forms.AnchorStyles.Top | System.Windows.Forms.AnchorStyles.Right)));
this.label29.AutoSize = true;
this.label29.Font = new System.Drawing.Font("Tahoma", 8.25F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point);
this.label29.Location = new System.Drawing.Point(7, 367);
this.label29.Name = "label29";
this.label29.Size = new System.Drawing.Size(86, 13);
this.label29.TabIndex = 21;
this.label29.Text = "Image format";
//
// cmbImageFormat
//
this.cmbImageFormat.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.Forms.AnchorStyles.Top | System.Windows.Forms.AnchorStyles.Right)));
this.cmbImageFormat.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;
this.cmbImageFormat.Font = new System.Drawing.Font("Microsoft Sans Serif", 8.25F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point);
this.cmbImageFormat.FormattingEnabled = true;
this.cmbImageFormat.Items.AddRange(new object[] {
    "PNG",
    "JPG",
    "BMP",
    "TIFF",
    "GIF"});
this.cmbImageFormat.Location = new System.Drawing.Point(99, 367);
this.cmbImageFormat.Name = "cmbImageFormat";
this.cmbImageFormat.Size = new System.Drawing.Size(67, 21);
this.cmbImageFormat.TabIndex = 19;
//
// label1
//
this.label1.AutoSize = true;
this.label1.Font = new System.Drawing.Font("Tahoma", 8.25F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point);
this.label1.Location = new System.Drawing.Point(7, 19);
this.label1.Name = "label1";
this.label1.Size = new System.Drawing.Size(82, 13);
this.label1.TabIndex = 24;
this.label1.Text = "Barcode type";
//
// cmbBarcodeType
//
this.cmbBarcodeType.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.Forms.AnchorStyles.Top | System.Windows.Forms.AnchorStyles.Right)));
this.cmbBarcodeType.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;
this.cmbBarcodeType.Font = new System.Drawing.Font("Microsoft Sans Serif", 8.25F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point);
this.cmbBarcodeType.FormattingEnabled = true;
this.cmbBarcodeType.Location = new System.Drawing.Point(118, 19);
this.cmbBarcodeType.Name = "cmbBarcodeType";
this.cmbBarcodeType.Size = new System.Drawing.Size(269, 21);
this.cmbBarcodeType.TabIndex = 23;
//
// Form1
//
this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);
this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
this.ClientSize = new System.Drawing.Size(401, 414);
this.Controls.Add(this.label1);
this.Controls.Add(this.cmbBarcodeType);
this.Controls.Add(this.progressBar);

```



## Form1.cs

```
using System;
using System.IO;
using System.Windows.Forms;
using Bytescout.BarCode;

namespace MultipleBarcodeGeneration
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();

            foreach (SymbologyType st in Enum.GetValues(typeof(SymbologyType)))
            {
                cmbBarcodeType.Items.Add(st);
            }

            cmbBarcodeType.SelectedIndex = 0;
            cmbImageFormat.SelectedIndex = 0;
        }

        private void btnGenerate_Click(object sender, EventArgs e)
        {
            FolderBrowserDialog folderBrowserDialog = new FolderBrowserDialog();
            folderBrowserDialog.Description = "Select output folder";

            if (folderBrowserDialog.ShowDialog() != DialogResult.OK)
            {
                return;
            }

            string fileNameTemplate = tbFileNameTemplate.Text + "." + Convert.ToString(counterStartAt);
            uint counterStartAt = (uint) nudCounterStartAt.Value;
            uint counterStepBy = (uint) nudCounterStepBy.Value;
            uint counterDigits = Convert.ToInt32(cmbCounterDigits.Text);

            if (!fileNameTemplate.Contains("[N]"))
            {
                MessageBox.Show("File name template does not contain the [N] placeholder");
                return;
            }

            string valueTemplate = tbValueTemplate.Text;
            uint valueStartAt = (uint) nudValueStartAt.Value;
            uint valueStepBy = (uint) nudValueStepBy.Value;
            uint valueEndAt = (uint) nudValueEndAt.Value;
            uint valueDigits = Convert.ToInt32(cmbValueDigits.Text);

            if (!valueTemplate.Contains("[N]"))
            {
                MessageBox.Show("Barcode value template does not contain the [N] placeholder");
            }
        }
    }
}
```

```

        return;
    }

    Cursor = Cursors.WaitCursor;
    progressBar.Visible = true;
    btnGenerate.Text = "Stop";

    try
    {
        progressBar.Value = (int) valueStartAt;
        progressBar.Minimum = (int) valueStartAt;
        progressBar.Maximum = (int) valueEndAt;
        progressBar.Step = (int) valueStepBy;

        GenerateBarcodes(valueTemplate, valueStartAt, valueEndAt,
                          counterStartAt, counterStepBy, counterDigits, -1);
    }
    catch (Exception exception)
    {
        MessageBox.Show(exception.Message);
    }
    finally
    {
        Cursor = Cursors.Default;
        progressBar.Visible = false;
        btnGenerate.Text = "Generate multiple barcodes";
    }
}

private void GenerateBarcodes(string valueTemplate, uint valueStartAt,
                             string fileNameTemplate, uint counterStartAt, uint counterStepBy)
{
    Barcode barcode = new Barcode();
    barcode.RegistrationKey = "demo";
    barcode.RegistrationName = "demo";

    barcode.Symbology = (SymbologyType) cmbBarcodeType.SelectedIndex;
    // Set up additional barcode properties here.
    //barcode.AdditionalCaption = "...";

    uint c = counterStartAt;

    for (uint i = valueStartAt; i <= valueEndAt; i += valueStepBy)
    {
        string value = String.Format("{0:D" + valueDigits + "}";
        string counter = String.Format("{0:D" + counterDigits + "}");
        string fileName = fileNameTemplate.Replace("[N]", counter);

        progressBar.PerformStep();

        barcode.Value = valueTemplate.Replace("[N]", value);

        barcode.SaveImage(Path.Combine(outputFolder, fileName));

        c += counterStepBy;

        Application.DoEvents();
    }
}

```

```
}
```

## Program.cs

```
using System;
using System.Collections.Generic;
using System.Windows.Forms;

namespace MultipleBarcodeGeneration
{
    static class Program
    {
        /// <summary>
        /// The main entry point for the application.
        /// </summary>
        [STAThread]
        static void Main()
        {
            Application.EnableVisualStyles();
            Application.SetCompatibleTextRenderingDefault(false);
            Application.Run(new Form1());
        }
    }
}
```

---

## VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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