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multiple barcode generation in C# with ByteScout Barcode SDK

multiple barcode generation in C#

Every ByteScout tool contains example C# source codes that you can find here or in the folder with installed ByteScout product. ByteScout Barcode SDK was made to help with multiple barcode generation in C#. ByteScout Barcode SDK is the fully featured library to generate barcodes. Supports QR Code, Code 39, Code 128, UPC, GS1, GS-128, PDF417, Datamatrix and many other barcode types. Includes various options for barcode generation to ensure output quality, add barcodes to new or existing pdf files and images.

This rich sample source code in C# for ByteScout Barcode SDK includes the number of functions and options you should do calling the API to implement multiple barcode generation. C# sample code is all you need: copy and paste the code to your C# application's code editor, add a reference to ByteScout Barcode SDK (if you haven't added yet) and you are ready to go! C# application implementation typically includes multiple stages of the software development so even if the functionality works please test it with your data and the production environment.

Free trial version of ByteScout Barcode SDK is available on our website. Get it to try other samples for C#.

FOR MORE INFORMATION AND FREE TRIAL:

[Download Free Trial SDK \(on-premise version\)](#)

[Read more about ByteScout Barcode SDK](#)

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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.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();

            // 
            // 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(300, 200);
            this.groupBox3.TabIndex = 1;
            this.groupBox3.TabStop = false;
            this.groupBox3.Text = "Value Generation Settings";

            // 
            // 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.Controls.Add(this.label26);
            this.groupBox2.Controls.Add(this.nudCounterStepBy);
            this.groupBox2.Controls.Add(this.label27);
            this.groupBox2.Controls.Add(this.btnGenerate);
            this.groupBox2.Location = new System.Drawing.Point(312, 12);
            this.groupBox2.Name = "groupBox2";
            this.groupBox2.Size = new System.Drawing.Size(300, 200);
            this.groupBox2.TabIndex = 1;
            this.groupBox2.TabStop = false;
            this.groupBox2.Text = "File Generation Settings";

            // 
            // Form1
            //
            this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);
            this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
            this.ClientSize = new System.Drawing.Size(625, 225);
            this.Controls.Add(this.groupBox3);
            this.Controls.Add(this.groupBox2);
            this.Name = "Form1";
            this.Text = "Multiple Barcode Generation";
            this.ResumeLayout(false);

        }

        #endregion
    }
}
```

```
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.nudCounterStart)).BeginInit();
((System.ComponentModel.ISupportInitialize) (this.nudCounterEnd)).BeginInit();
this.SuspendLayout();
//
// progressBar
//
this.progressBar.Anchor = ((System.Windows.Forms.AnchorStyles)
    | System.Windows.Forms.AnchorStyles.Right);
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.Right);
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 Serif",
    8.25F, System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point);
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 Sans
Serif", 12F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
System.Windows.Forms.GraphicsUnit.Point);
this.tbValueTemplate.Location = new System.Drawing.Point(106, 14);
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 Sans
Serif", 12F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
System.Windows.Forms.GraphicsUnit.Point);
this.nudValueStartAt.Location = new System.Drawing.Point(106, 44);
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 Serif", 12F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
System.Windows.Forms.GraphicsUnit.Point);
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 Sans
Serif", 12F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
System.Windows.Forms.GraphicsUnit.Point);
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, 74);
```

```
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);
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);
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);
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 Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point);
```

```
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 Ser
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.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 Ser
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 Ser
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 Ser
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 Sans Seri
this.nudCounterStepBy.Location = new System.Drawing.Point(106, 102);
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.Resources.b
this.btnGenerate.Location = new System.Drawing.Point(174, 353);
this.btnGenerate.Name = "btnGenerate";
this.btnGenerate.Padding = new System.Windows.Forms.Padding(3, 0, 0, 0);
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.ImageOverText;
this.btnGenerate.UseVisualStyleBackColor = true;
this.btnGenerate.Click += new System.EventHandler(this.btnGenerate_Click);
//
// label29
//
this.label29.Anchor = ((System.Windows.Forms.AnchorStyles) ((System.Windows.Forms.AnchorStyles.

```

```
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.Top | System.Windows.Forms.AnchorStyles.Left) & 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.Top | System.Windows.Forms.AnchorStyles.Left) & 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);
this.Controls.Add(this.groupBox3);
this.Controls.Add(this.groupBox2);
this.Controls.Add(this.btnGenerate);
this.Controls.Add(this.label29);
this.Controls.Add(this.cmbImageFormat);
```

```

        this.Name = "Form1";
        this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;
        this.Text = "Multiple Barcode Generation";
        this.groupBox3.ResumeLayout(false);
        this.groupBox3.PerformLayout();
        ((System.ComponentModel.ISupportInitialize)(this.nudValueStartAt)).EndInit();
        ((System.ComponentModel.ISupportInitialize)(this.nudValueEndAt)).EndInit();
        ((System.ComponentModel.ISupportInitialize)(this.nudValueStepBy)).EndInit();
        this.groupBox2.ResumeLayout(false);
        this.groupBox2.PerformLayout();
        ((System.ComponentModel.ISupportInitialize)(this.nudCounterStartAt)).EndInit();
        ((System.ComponentModel.ISupportInitialize)(this.nudCounterEndAt)).EndInit();
        this.ResumeLayout(false);
        this.PerformLayout();

    }

#endregion

private System.Windows.Forms.ProgressBar progressBar;
private System.Windows.Forms.GroupBox groupBox3;
private System.Windows.Forms.Label label33;
private System.Windows.Forms.Label label28;
private System.Windows.Forms.TextBox tbValueTemplate;
private System.Windows.Forms.NumericUpDown nudValueStartAt;
private System.Windows.Forms.Label label24;
private System.Windows.Forms.ComboBox cmbValueDigits;
private System.Windows.Forms.NumericUpDown nudValueEndAt;
private System.Windows.Forms.NumericUpDown nudValueStepBy;
private System.Windows.Forms.Label label30;
private System.Windows.Forms.Label label31;
private System.Windows.Forms.Label label32;
private System.Windows.Forms.GroupBox groupBox2;
private System.Windows.Forms.NumericUpDown nudCounterStartAt;
private System.Windows.Forms.Label label25;
private System.Windows.Forms.Label label34;
private System.Windows.Forms.Label label22;
private System.Windows.Forms.ComboBox cmbCounterDigits;
private System.Windows.Forms.TextBox tbFileNameTemplate;
private System.Windows.Forms.Label label26;
private System.Windows.Forms.NumericUpDown nudCounterStepBy;
private System.Windows.Forms.Label label27;
private System.Windows.Forms.Button btnGenerate;
private System.Windows.Forms.Label label29;
private System.Windows.Forms.ComboBox cmbImageFormat;
private System.Windows.Forms.Label label1;
private System.Windows.Forms.ComboBox cmbBarcodeType;
}

}

```

```
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 placeholder [N].");
                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 placeholder [N].");
                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, +);
        }
        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=REnj3A-oSPI>

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