

multiple barcode generation with barcode sdk in C# using ByteScout Premium Suite

How to apply ByteScout Premium Suite for multiple barcode generation with barcode sdk in C#

Every ByteScout tool includes sample C# source codes that you can find here or in the folder with installed ByteScout product. Multiple barcode generation with barcode sdk in C# can be applied with ByteScout Premium Suite. ByteScout Premium Suite is the set that includes 12 SDK products from ByteScout including tools and components for PDF, barcodes, spreadsheets, screen video recording.

C# code snippet like this for ByteScout Premium Suite works best when you need to quickly implement multiple barcode generation with barcode sdk in your C# application. To use multiple barcode generation with barcode sdk in your C# project or application just copy & paste the code and then run your app! 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.

ByteScout Premium Suite is available as a free trial. You may get it from our website along with all other source code samples for C# applications.

FOR MORE INFORMATION AND FREE TRIAL:

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

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Source Code Files:

```
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; otherwise, false;
        /// </param>
        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();
        }
    }
}
```

```

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.nudCounterStepBy)).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,
    ((byte)(0)));
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",
    12F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
    ((byte)(0)));
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",
    12F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
    ((byte)(0)));
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 Ser
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, 11

```

```

        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 Sa
        this.nudValueEndAt.Location = new System.Drawing.Point(106, 10
        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 S
        this.nudValueStepBy.Location = new System.Drawing.Point(106, 7
        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 Se
        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 Se

```

```

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 Se
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("Microso
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 Se
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 Se
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 Se
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.Anchor
| 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 Se
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("Microsof
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 Se
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.Rig
this.btnGenerate.Font = new System.Drawing.Font("Tahoma", 8.25)
this.btnGenerate.Image = global::MultipleBarcodeGeneration.Prop
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.M
this.btnGenerate.TextImageRelation = System.Windows.Forms.Text
this.btnGenerate.UseVisualStyleBackColor = true;
this.btnGenerate.Click += new System.EventHandler(this.btnGene
//
// label29
//
this.label29.Anchor = ((System.Windows.Forms.AnchorStyles) ((S

```



```
"PNG",  
"JPG",  
"BMP",  
"TIFF",  
"GIF"});
```

```
this.label29.AutoSize = true;  
this.label29.Font = new System.Drawing.Font("Tahoma", 8.25F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)0));  
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, ((byte)0));  
this.cmbImageFormat.FormattingEnabled = true;  
this.cmbImageFormat.Items.AddRange(new object[] {  
  
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, ((byte)0));  
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, ((byte)0));  
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.CenterParent;
        this.Text = "Multiple Barcode Generation";
        this.groupBox3.ResumeLayout(false);
        this.groupBox3.PerformLayout();
        ((System.ComponentModel.ISupportInitialize)(this.nudValueStartAt)).BeginInit();
        ((System.ComponentModel.ISupportInitialize)(this.nudValueEndAt)).BeginInit();
        ((System.ComponentModel.ISupportInitialize)(this.nudValueStepBy)).BeginInit();
        this.groupBox2.ResumeLayout(false);
        this.groupBox2.PerformLayout();
        ((System.ComponentModel.ISupportInitialize)(this.nudCounterStartAt)).BeginInit();
        ((System.ComponentModel.ISupportInitialize)(this.nudCounterStepBy)).BeginInit();
        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.ToInt32(nudCounterStartAt.Value);
            uint counterStartAt = (uint) nudCounterStartAt.Value;
            uint counterStepBy = (uint) nudCounterStepBy.Value;
            uint counterDigits = Convert.ToUInt32(cmbCounterDigits.Text);

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

            string valueTemplate = tbValueTemplate.Text;
            uint valueStartAt = (uint) nudValueStartAt.Value;
            uint valueStepBy = (uint) nudValueStepBy.Value;
            uint valueEndAt = (uint) nudValueEndAt.Value;
            uint valueDigits = Convert.ToUInt32(cmbValueDigits.Text);

            if (!valueTemplate.Contains("[N]"))
            {
                MessageBox.Show("Barcode value template does not contain [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, t

}
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.SelectedItemIndex;
    // 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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