

Computer Science 20S

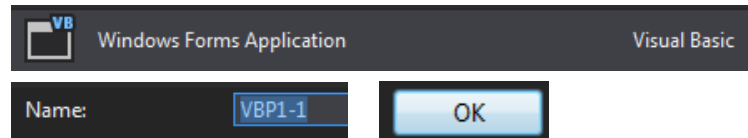
Visual BASIC Lesson #1

To **CREATE** a new project:

Start → New Project

Select: *Windows Forms Application*

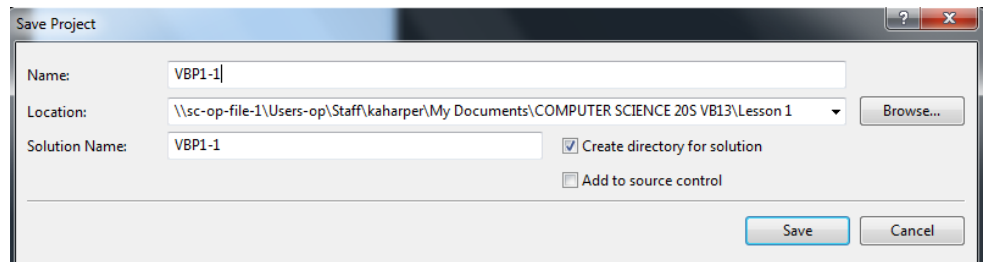
Name: *VBP1-1* → OK



To **SAVE** a new project:

File → Save All

Name: *VBP1-1*



Browse: *Computer Science 20S*
Lesson 1

Select Folder → SAVE

***Always save your project straight away. Then, once it is saved properly, you can easily save often by clicking on the disk icon at the top left of your screen.

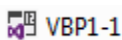


To **RE-OPEN** a project:

Go to: *My Documents*
Computer Science 20S
Lesson 1

Open: *VBP1-1* folder

Double Click on: *purple icon* (Microsoft Visual Studio Solution) → OK



VBP1-1

File Name : VBP1-1
Save in folder : Lesson 1

Create a Form with the following properties:

BackColor	Teal
FormBorderStyle	FixedSingle
Locked	True
StartPosition	CenterScreen
Text	VBP1-1 by "your name"
(Size) Width	350
(Size) Height	175

Put a Label on the form with the following Properties:

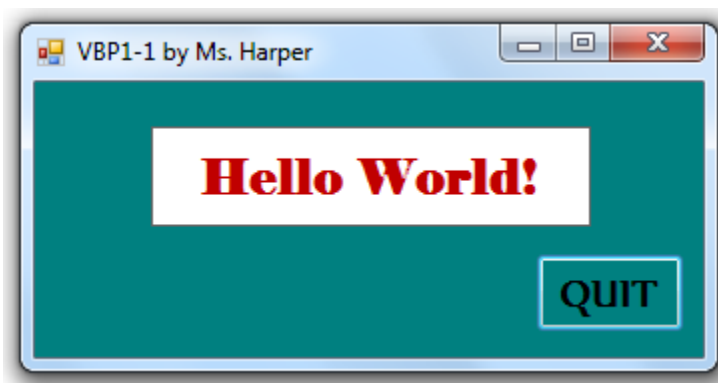
AutoSize	False
Text	Hello World!
TextAlign	MiddleCenter
BorderStyle	Fixed Single
BackColor	White
Font	Elephant, Bold, size18
ForeColor	Dark Red (192,0,0)
(Size) Width	220
(Size) Height	50
Location	X = 60, Y = 25

Put a Button on the form with the following properties:

Text	QUIT
TextAlign	MiddleCenter
AutoSize	False
Location	X = 250, Y = 85
(Size) Width	75
(Size) Height	40
BackColor	Teal
Font	Bell MT, Bold, size 16

Double click on your Button to add code:

Where the cursor is flashing, type in the code word: **End**



VBP1-2

File Name : VBP1-2
Save in folder : Lesson 1

- **Create a Form with the following general properties.**

FormBorderStyle	FixedSingle
Locked	True
StartPosition	CenterScreen
Text	VBP1-2 by "your name"
BackColor	Light Yellow from the CUSTOM palette
Width	685
Height	445

- Important Note: Once you create a **GroupBox** and its contents, you can move the entire frame around and everything will stay together.

- **In the CheckBoxes & RadioButtons:**

Make sure the CHECKED property is *TRUE* for the selections that apply to you.

- **Set the following properties for the TextBox:**

Multiline	True
Scrollbars	Vertical
Text	Type in something about yourself you would like me to know.

- **Add a Button to the form on the top right. Make sure that its properties are set as follows:**

BackColor	Red from the WEB list
Image	Choose the stop sign image found in class folder
ImageAlign	MiddleCenter
Text	Delete the text so only the image shows.
Visual BASIC code	Add the code word needed to quit the program.

VBP1-3

File Name : VBP1-3
Save in folder : Lesson 1

Notice all the colour and font options while building your form.
For example: all the buttons have their BackColor set to white.

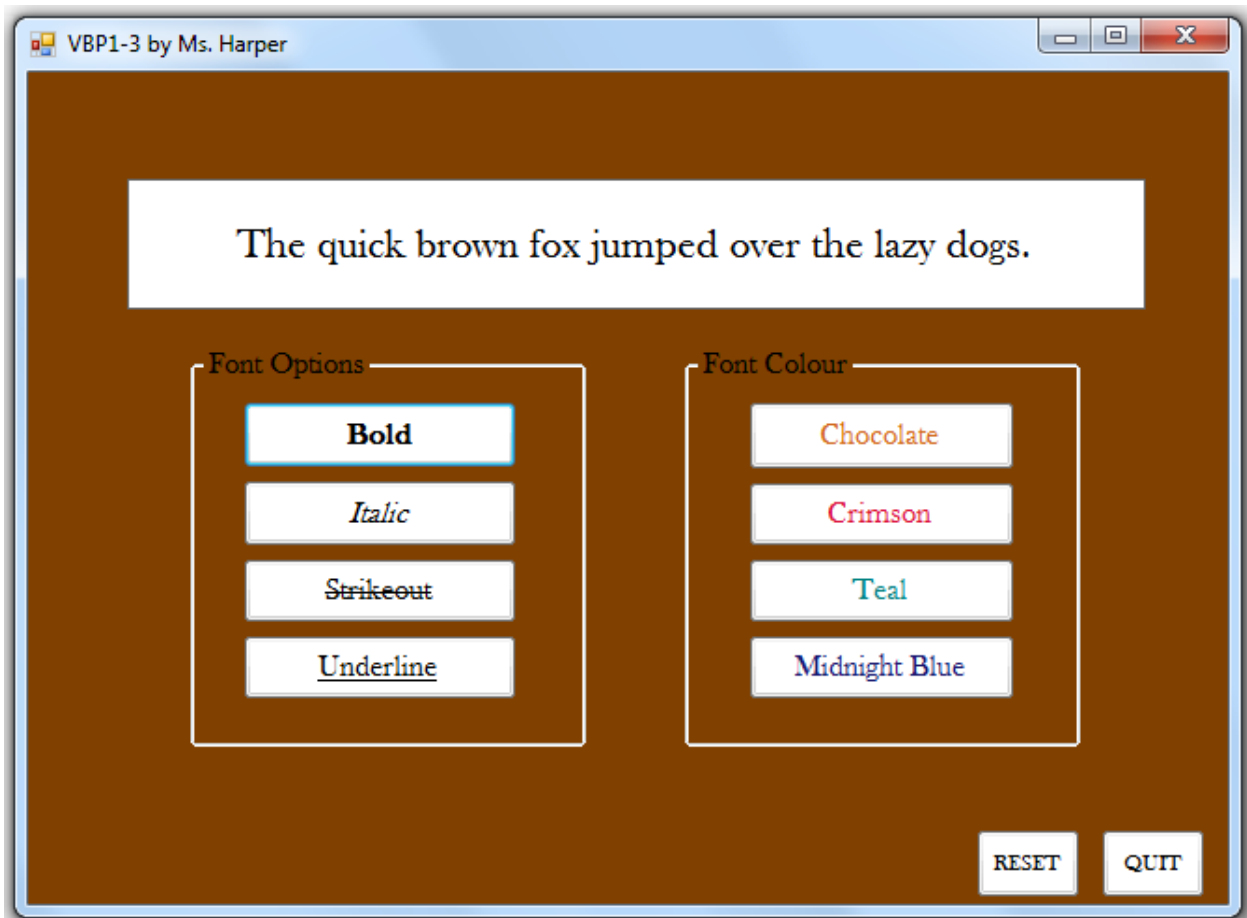
Use the following code in your project:

Label1.ForeColor = Color.Crimson

HINT:

When you type in the **dot**, a drop-down menu will appear... look over the list in the drop-down menu to see how to spell a particular code word.

Label1.Font = New Font("Palatino Linotype", 14, FontStyle.Bold)



VBP1-4

File Name : VBP1-4
Save in folder : Lesson 1

Use the following code to add words to each Label:

Label1.Text = "Toyota"

In **Form1_Activated**, set each RadioButton to false so none of your options are selected when you first press play.

Use the following code:

RadioButton1.Checked = False

RadioButton2.Checked = False

....

The screenshot shows a Windows application window titled "VBP1-4 by Ms. Harper". The window contains a form with five sections, each with radio buttons for selection:

- Model:** 2-Door, 4-Door, Convertible, Sport-Utility Vehicle
- Engine:** V4, V6, V8, V12
- Company:** Toyota, Dodge, General Motors, Ford
- Colour:** Red, Green, Blue, Black
- Transmission:** Automatic, Standard

Below these sections are five empty text boxes labeled Model, Engine, Company, Transmission, and Colour. An Exit button is located at the bottom right of the window.

EXTENSION OF VBP1-4

1) Improve the program you wrote for VBP1-4 including 2 new GroupBoxes. *Be creative!*

2) Add images for two of the GroupBoxes in your project.

Use the following code on your images:

```
PictureBox1.Visible = True  
PictureBox2.Visible = False  
PictureBox3.Visible = False  
....
```

***In PictureBox Tasks (top right hand corner of image), select StretchImage.

You may need to add the following code to **Form1_Activated**:

```
PictureBox1.Visible = False  
PictureBox2.Visible = False  
....
```

VBP1-4 by Ms. Harper

Model

☐ 2-Door

☐ 4-Door

☐ Convertible

☐ Sport-Utility Vehicle

Company

☐ Toyota

☐ Dodge

☐ General Motors

☐ Ford

Engine

☐ V4 ☐ V6

☐ V8 ☐ V12

Colour

☐ ☐ ☐ ☐

Transmission

☐ Automatic

☐ Standard

Model

Engine

Company

Transmission

Colour

Exit

