* What is Controls

Controls are objects that can be inserted into the **Form** of the VB 2010 IDE for various purposes. These controls help in creating a GUI Based Applications in VB.Net quickly and easily. You can drag any control to the **Form** using the Control toolbox in the IDE. Each Control has some **properties**, **events**, and **methods.** You can write relevant code for them to perform certain tasks.

* **Properties** describe the object
* **Methods** are used to make the object do something
* **Events** describe what happens when the user/Object takes any action.

Once you have added a VB.NET control to the form, you can change its appearance, its text, its default values, position, size, etc. using its properties. The properties can be changed via the ***Properties pane*** or by adding the specific values of properties into the ***Code editor***. Using the following syntax:

**Object. Property = Value**

### Common Controls in VB.NET

VB.NET has a variety of controls, below given are the commonly used controls.

#### Text Box

It is used to accept textual input from the user. The user can add strings, numerical values and a combination of those, but Images and other multimedia content are not supported. The following are some of the commonly used properties, Methods, and Events of the TextBox control.

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| **Sr.No.** | **Property & Description** |
| 1 | **AcceptsReturn**  Gets or sets a value indicating whether pressing ENTER in a multiline TextBox control creates a new line of text in the control or activates the default button for the form. |
| 2 | **CharacterCasing**  Gets or sets whether the TextBox control modifies the case of characters as they are typed. |
| 4 | **Font**  Gets or sets the font of the text displayed by the control. |
| 5 | **FontHeight**  Gets or sets the height of the font of the control. |
| 6 | **ForeColor**  Gets or sets the foreground color of the control. |
| 7 | **Multiline**  Gets or sets a value indicating whether this is a multiline TextBox control. |
| 8 | **PasswordChar**  Gets or sets the character used to mask characters of a password in a single-line TextBox control. |
| 9 | **ReadOnly**  Gets or sets a value indicating whether text in the text box is read-only. |
| 10 | **TabIndex**  Gets or sets the tab order of the control within its container. |
| 11 | **Text**  Gets or sets the current text in the TextBox. |
| 12 | **TextLength**  Gets the length of text in the control. |
| 13 | **TextAlign**  Gets or sets how text is aligned in a TextBox control. This property has values   1. Left 2- Right 3- Center |
| 14 | **WordWrap**  Indicates whether a multiline text box control automatically wraps words to the beginning of the next line when necessary. |

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| **Sr.No.** | **Method Name & Description** |
| 1 | **AppendText**  Appends text to the current text of a text box. |
| 2 | **Clear**  Clears all text from the text box control. |
| 3 | **ResetText**  Resets the Text property to its default value. |
| 4 | **Focus**  Set input focus to the control. |

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| **Sr.No.** | **Event & Description** |
| 1 | **Click**  Occurs when the control is clicked. |
| 2 | **DoubleClick**  Occurs when the control is double-clicked. |
| 3 | **TextAlignChanged**  Occurs when the TextAlign property value changes. |

#### Label

It is used to show any text to the user, typically the text in a label does not change while the application is running.

#### Button

It is used as a standard Windows Button. In most cases, the Button Control is used to generate a click event, its name, size and appearance are not changed in the runtime. The following are some of the commonly used properties,Methods, and Events of the Button control.

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| **Sr.No.** | **Property & Description** |
| 1 | **AutoSizeMode**  Gets or sets the mode by which the Button automatically resizes itself. |
| 2 | **BackColor**  Gets or sets the background color of the control. |
| 3 | **Image**  Gets or sets the image that is displayed on a button control. |
| 4 | **TabIndex**  Gets or sets the tab order of the control within its container. |
| 5 | **Text**  Gets or sets the text associated with this control. |

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| **Sr.No.** | **Method Name & Description** |
| 2 | **NotifyDefault**  Notifies the Button whether it is the default button so that it can adjust its appearance accordingly. |
| 3 | **Select**  Activates the control. |

Use the same Events as in TextBox

*Example:*

Public Class Form1  
 Private Sub ButtonExmaple\_Load( )  
 Me.Text = "educba.com"  
 End Sub  
 Private Sub quitBTN \_Click( )  
 Application.Exit()  
 End Sub  
End Class