

اغتنم خمسا قبل خمس شبابك قبل هرمك وصحتك قبل سقمك وغناك قبل فقرك وفراغك قبل شغلك وحياتك قبل موتك.

Events

Events determine the tool's reactions to external condition likes (click, double click, etc). When the user selects an event from code window, VB will open a procedure according to the selected events. As shown below.

```
Private | public sub tool name_event()
```

```
.....
```

```
.....
```

```
.....
```

```
End sub
```

Note the word public means the procedure or function will be general to all project, while private means the procedure will specific to the form.

There are two types of events:

- 1- Key board events likes (key press, key down, key up ...etc).
- 2- Mouse events likes (click, double click, mouse move ...etc).

Note The *Form load event* is loaded in computer memory after the program has been executed.

Methods

The methods are used to change the behavior of objects (tools). In other word we can view method as a function or procedure without any parameters. Each object may have many methods and we can access it by using the following formula.

Tools Name.method

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The show and hide methods are used to appear and disappears the form object. There are several methods are used with other objects likes (move, refresh, drag, set focus).

example built a project with two forms:

- 1) The first form to design calculator with (+, -, *, /) operations.
- 2) The second form to find the average for three numbers.

```
Private Sub Cmdavr_Click()
```

```
  Frmmain.Hide
```

```
  Frmcal.Hide
```

```
  Frmavr.Show
```

```
End Sub
```

```
Private Sub cmdcal_Click()
```

```
  Frmmain.Hide
```

```
  Frmcal.Show
```

```
  Frmavr.Hide
```

```
End Sub
```

Object	Property	Value
Form	Name	Frmmain
	Caption	Main Menu
Command	Name	cmdcal
	Caption	calculator
Command	Name	cmdavr
	Caption	Average

Note add a form to the project (project → Add Form)

```
Private Sub cmddiv_Click()
```

```
  lblres.Caption = Val(Txtno1.Text) /
```

```
  Val(Txtno2.Text)
```

```
End Sub
```

```
Private Sub cmdmin_Click()
```

```
  lblres.Caption = Val(Txtno1.Text) -
```

```
  Val(Txtno2.Text)
```

```
End Sub
```

```
Private Sub cmdmul_Click()
```

```
  lblres.Caption = Val(Txtno1.Text) *
```

```
  Val(Txtno2.Text)
```

```
End Sub
```

```
Private Sub cmdplus_Click()
```

```
  lblres.Caption = Val(Txtno1.Text) +
```

```
  Val(Txtno2.Text)
```

```
End Private
```

```
Sub cmdback_Click()
```

Object	Property	Value
Form	Name	Frmcal
	Caption	Calculator
Command	Name	cmdplus
	Caption	+
Command	Name	cmdmin
	Caption	-
Command	Name	Cmdmul
	Caption	*
Command	Name	Cmddiv
	Caption	/
Command	Name	Cmdback
	Caption	Main Menu
Text	Name	Txtno1
	Name	Txtno2
Label	Name	Lblres
	Caption	Result

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```
Frmmain.Show
Frmcal.Hide
Frmavr.Hide
End Sub
```

```
Private Sub Cmdavr_Click()
```

```
lblres.Caption = Val(Txtno1.Text) +
Val(Txtno2.Text) + Val(Txtno3.Text)
```

```
End Sub
```

```
Sub cmdback_Click()
```

```
Frmmain.Show
Frmcal.Hide
Frmavr.Hide
End Sub
```

Object	Property	Value
Form	Name	Frmavr
	Caption	Average
Command	Name	cmdavr
	Caption	Average
command	Name	cmdback
	Caption	Main Menu
Text	Name	Txtno1
Text	Name	Txtno2
Text	Name	Txtno3
Label	Name	Lblres
	Caption	Result