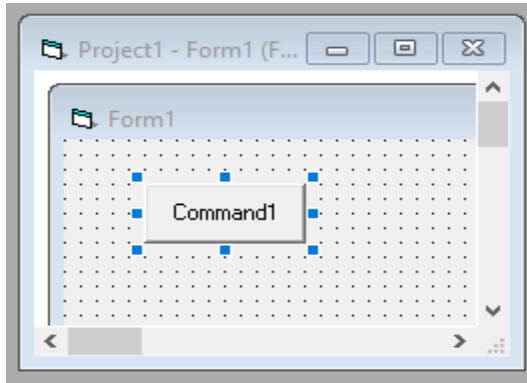


Lecture No. 27 and 28:

Programme to Variance and Standard Deviation from N values , using array variable.

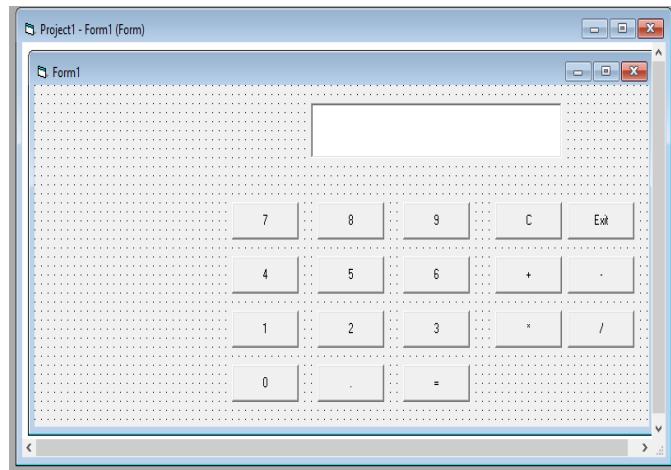
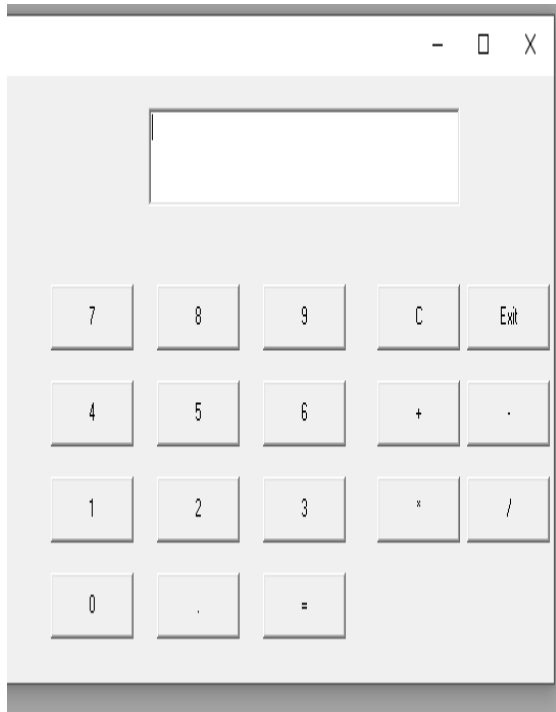


```
Private Sub Command1_Click()  
    Dim N As Double  
    Dim I As Integer  
    Dim S As Integer  
    Dim V As Integer  
    Dim SS as Integer  
    Dim M as Integer  
    Dim SD As Integer  
    N = InputBox("Enter number of values ", 1)  
    Dim X(N) as Integer  
    For J = 1 To N  
        Print "Enter values #";j;  
        Input X(J)  
        S=S+X(J)  
        SS=SS+X(J)^2  
    Next J  
    M=S/N  
    V=SS/N - (M)^2  
    SD=V^.5  
    Print "Variance=",V
```

Print "Standard Deviation=",SD

End Sub

Programme for simple Calculator:



```
Dim op, fn As Integer
```

```
Private Sub Command1_Click()
```

```
Text1.Text = Text1.Text & 7
```

```
End Sub
```

```
Private Sub Command10_Click()
```

```
Text1.Text = Text1.Text & 0
```

```
End Sub
```

```
Private Sub Command11_Click()
```

```
Text1.Text = Text1.Text & "."
```

```
End Sub
```

```
Private Sub Command12_Click()
```

```
If op = 1 Then
```

```
Text1.Text = Val(fn) + Val(Text1.Text)
```

```
ElseIf op = 2 Then
```

```
Text1.Text = Val(fn) - Val(Text1.Text)
```

```
ElseIf op = 3 Then
```

```
Text1.Text = Val(fn) * Val(Text1.Text)
```

```
ElseIf op = 4 Then
```

```
Text1.Text = Val(fn) / Val(Text1.Text)
```

```
End If
```

```
End Sub
```

```
Private Sub Command13_Click()
```

```
Text1.Text = ""
```

```
End Sub
```

```
Private Sub Command14_Click()
```

```
Unload Me
```

```
End Sub
```

```
Private Sub Command15_Click()
```

```
op = 1
```

```
fn = Text1.Text
Text1.Text = ""
End Sub

Private Sub Command16_Click()

op = 2

fn = Text1.Text
Text1.Text = ""

End Sub

Private Sub Command17_Click()

op = 3

fn = Text1.Text
Text1.Text = ""

End Sub

Private Sub Command18_Click()

op = 4

fn = Text1.Text
Text1.Text = ""

End Sub

Private Sub Command2_Click()

Text1.Text = Text1.Text & 8

End Sub

Private Sub Command3_Click()

Text1.Text = Text1.Text & 9

End Sub

Private Sub Command4_Click()

Text1.Text = Text1.Text & 4

End Sub

Private Sub Command5_Click()

Text1.Text = Text1.Text & 5

End Sub

Private Sub Command6_Click()

Text1.Text = Text1.Text & 6
```

End Sub

Private Sub Command7_Click()

Text1.Text = Text1.Text & 1

End Sub

Private Sub Command8_Click()

Text1.Text = Text1.Text & 2

End Sub

Private Sub Command9_Click()

Text1.Text = Text1.Text & 3

End Sub