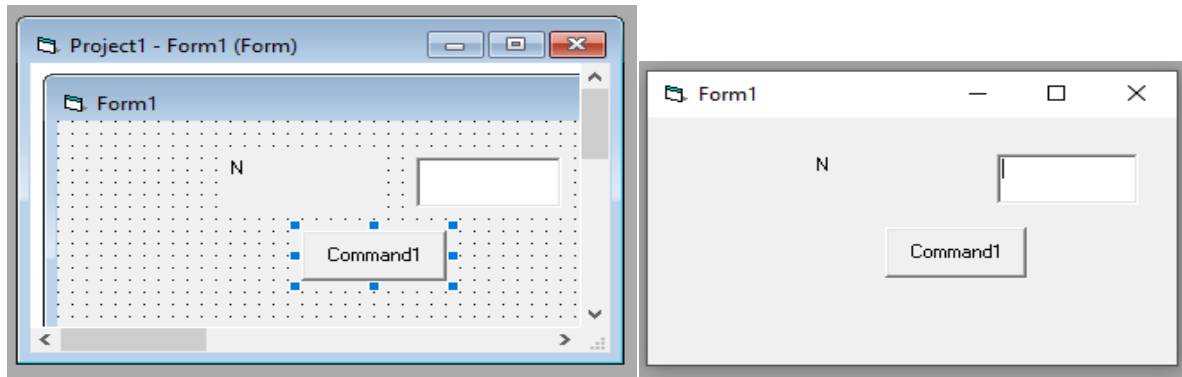


## Lecture No. 23 and 24:

### Programme to Check Prime numbers up to N numbers using While loop:



```
Private Sub Command1_Click()
```

```
Dim N As Double
```

```
Dim A As Integer
```

```
Dim J As Integer
```

```
Dim F As Integer
```

```
Dim M As Integer
```

```
N = 3
```

```
M = Text1.Text
```

```
While (N <= M)
```

```
F = 0
```

```
J = 2
```

```
    While (J < N)
```

```
        A = N / J
```

```
        If A = (N / J) Then
```

```
            F = 1
```

```
        End If
```

```
        J = J + 1
```

```
    Wend
```

```
    If (F = 1) Then
```

```
        Print N & " Is not Prime"
```

```
    Else
```

```
        Print N & " Is Prime"
```

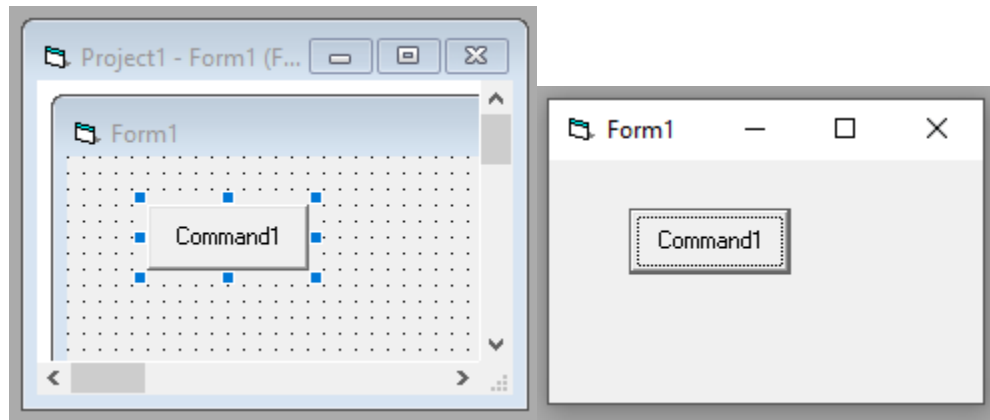
```
    End If
```

```
N = N + 1
```

```
Wend
```

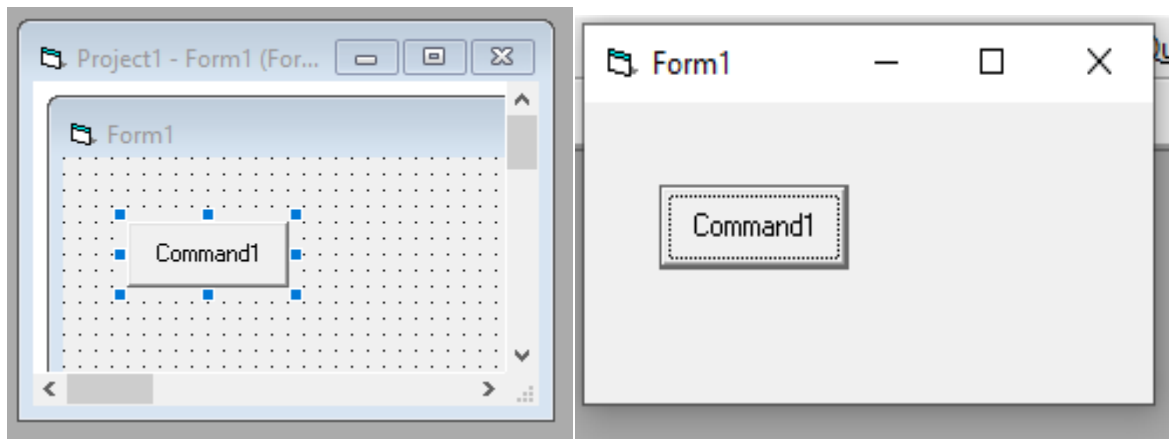
```
End Sub
```

## Programme to Test a number Prime using For-Next Loop:



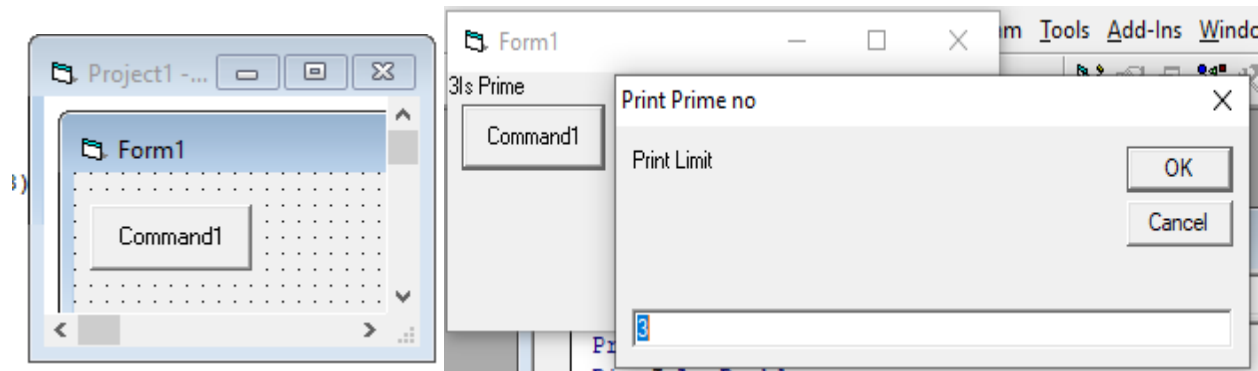
```
Private Sub Command1_Click()  
    Dim J As Double  
    Dim A As Integer  
    Dim I As Integer  
    Dim F As Integer  
    N = InputBox("Print Limit", "Print Prime no", 3)  
    For J = 3 To N  
        F = 0  
        For I = 2 To (J - 1)  
            A = J / I  
            If A = (J / I) Then  
                F = 1  
            End If  
        Next I  
        If (F = 1) Then  
            Print J & "Is not Prime"  
        Else  
            Print J & "Is Prime"  
        End If  
    Next J  
End Sub
```

## Programme for Test of Prime for N numbers using For-Next Loop:



```
Private Sub Command1_Click()  
    Dim J As Double  
    Dim A As Integer  
    Dim I As Integer  
    Dim F As Integer  
    N = InputBox("Print Limit", "Print Prime no", 3)  
    For J = 3 To N  
        F = 0  
        For I = 2 To (J - 1)  
            A = J / I  
            If A = (J / I) Then  
                F = 1  
            End If  
        Next I  
        If (F = 1) Then  
            Print J & "is Not Prime Number"  
        Else  
            Print J & "is Prime Number"  
        End If  
    Next J  
End Sub
```

## Prime number programme using For-Next loop:



```
Private Sub Command1_Click()  
    Dim J As Double  
    Dim A As Integer  
    Dim I As Integer  
    Dim F As Integer  
    N = InputBox("Print Limit", "Print Prime no", 3)  
    For J = 3 To N  
        F = 0  
        For I = 2 To (J - 1)  
            A = J / I  
            If A = (J / I) Then  
                F = 1  
            End If  
        Next I  
        If (F = 1) Then  
            Print J & "Is not Prime"  
        Else  
            Print J & "Is Prime"  
        End If  
    Next J  
End Sub
```