

VBA IF Statement

IF Inline:

If Condition **Then** Statement

e.g.

```
If i = 0 Then MsgBox "Zero"
```

IF, Else Inline:

If Condition **Then** Statement1 **Else** Statement 2

e.g.

```
If i < 0 Then MsgBox "Negative" Else MsgBox "Positive"
```

IF Inline with And/OR:

If Condition 1 **AND/OR** Condition 2 [**AND/OR ...**] **Then** Statement

e.g. 1

```
If i = 1 AND j = 2 Then MsgBox "Correct"
```

e.g. 2

```
If i = 1 OR i = 3 OR i = 5 OR i = 7 OR i = 9 Then MsgBox "It is an Odd Number"
```

IF Block:

If Condition **Then**
Statement

End If

e.g.

```
If i = 0 Then  
    MsgBox "Zero"  
End If
```

IF, Else Block:

If Condition **Then**
Statement 1

Else
Statement 2

End If

e.g.

```
If i < 0 Then  
    MsgBox "Negative"  
Else  
    MsgBox "Positive"  
End If
```

IF, ElseIf Block:

```
If Condition Then
    Statement 1
ElseIf Condition
    Statement 2
[ElseIf Condition ...]
    Statement Next
[Else]
    Statement Last
End If
```

e.g. 1

```
If i < 0 Then
    MsgBox "Negative"
Else If i = 0 Then
    MsgBox "Zero"
Else
    MsgBox "Positive"
End If
```

e.g. 2

```
If em <= 3 Then
    Grade = "F"
ElseIf em > 3 And em <= 6 Then
    Grade = "D"
ElseIf em > 6 And em <= 9 Then
    Grade = "C"
ElseIf em > 9 And em <= 11 Then
    Grade = "B"
ElseIf em = 12 Then
    Grade = "B+"
ElseIf em > 12 And em <= 14 Then
    Grade = "A"
ElseIf em > 14 And em <= 20 Then
    Grade = "A+"
Else
    Grade = "N/A"
    MsgBox "Exam Mark is Wrong, It should be between 0 to 20"
End If
```