**If- else**

The if statement alone tells us that if a condition is true it will execute a block of statements and if the condition is false it won’t. But what if we want to do something else if the condition is false. Here comes the *else* statement. We can use the *else* statement with *if* statement to execute a block of code when the condition is false.  
**Syntax**:

if (condition):

# Executes this block if

# condition is true

else:

# Executes this block if

# condition is false

**# python program to illustrate If else statement**

**i = 20;**

**if (i < 15):**

**print ("i is smaller than 15")**

**print ("i'm in if Block")**

**else:**

**print ("i is greater than 15")**

**print ("i'm in else Block")**

**print ("i'm not in if and not in else Block")**

**Nested-if**

A nested if is an if statement that is the target of another if statement. Nested if statements means an if statement inside another if statement. Yes, Python allows us to nest if statements within if statements. i.e, we can place an if statement inside another if statement.

if (condition1):

# Executes when condition1 is true

if (condition2):

# Executes when condition2 is true

# if Block is end here

# if Block is end here

**# python program to illustrate nested If statement**

**i = 10**

**if (i == 10):**

**#  First if statement**

**if (i < 15):**

**print ("i is smaller than 15")**

**# Nested - if statement**

**# Will only be executed if statement above**

**# it is true**

**if (i < 12):**

**print ("i is smaller than 12 too")**

**else:**

**print ("i is greater than 15")**