

## School of Computer Engineering and Technology (Cybersecurity and Forensics)

### Python Programming Lab Assignment No:02

#### Problem Statement:

To find largest of three numbers.

#### Aim:

Write a python program to find largest of three numbers.

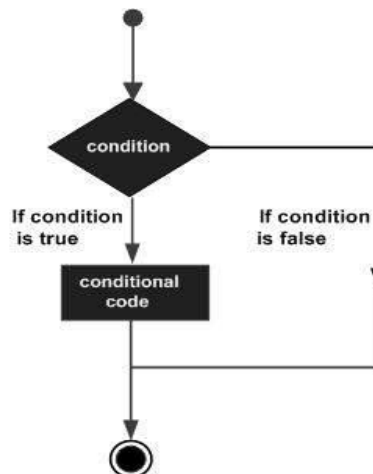
#### Objectives:

To learn and implement different forms of if..else statement.

#### Theory:

- **Decision making**

Following is the general form of a typical decision-making structure found in most of the programming languages –



Python programming language assumes any **non-zero** and **non-null** values as TRUE, and if it is either **zero** or **null**, then it is assumed as FALSE value.

Python programming language provides following types of decision-making statements. Click the following links to check their detail.

Sr. No.	Statement & Description
1	<p><b><u>if statements</u></b>            An <b>if statement</b> consists of a boolean expression followed by one or more statements.            For e.g.</p> <pre>var = 100 if ( var == 100 ) : print "Value of expression is 100" print "Good bye!"</pre>
2	<p><b><u>if...else statements</u></b>            An <b>if statement</b> can be followed by an optional <b>else statement</b>, which executes when the boolean expression is FALSE.</p> <p>For e.g.</p> <pre>if (num&gt;0):     print ("Positive number") elif (num&lt;0):     print ("Negative number")</pre>
3	<p><b><u>if...else statements</u></b>            If more than 2 conditions need to be checked, then if..elif..else statement can be used.</p> <p>For e.g.</p> <pre>if (num&gt;0):     print ("Positive number") elif (num&lt;0):     print ("Negative number") else:     print ("Value of number is zero")</pre>
4	<p><b><u>nested if statements</u></b>            You can use one <b>if</b> or <b>else if</b> statement inside another <b>if</b> or <b>else if</b> statement(s).</p> <pre>Number_of_passengers = 5 Number_of_baggage = 2 Security_check = True  for passenger_count in range(1,Number_of_passengers+1):     for baggage_count in range(1, Number_of_baggage+1):</pre>

```
if(Security_check==True):  
    print("Baggage Clear")  
else:  
    print("Baggage not Clear")
```

### **Platform: Python**

**Input:** Accept three integer numbers from the user

**Output:** Display largest of three integer numbers accepted from the user

### **Conclusion:**

Studied implementation of different forms of if...else statements using python programming.

### **FAQs:**

1. Describe following logical and relational operators with suitable examples.

**Logical operators:** and, or and not

**Relational operators:** <, >, <=, >=, ==, !=