

# Worksheet

1

Name: .....

Roll No: ..... Class: ..... Section: .....

Date: .....

## DECISION MAKING IN PYTHON

### Chapter-8

#### 1. Tick (✓) the correct option.

(a) Which of the following is the decision making statement in Python?

- |                 |                          |                     |                          |
|-----------------|--------------------------|---------------------|--------------------------|
| (i) input( )    | <input type="checkbox"/> | (ii) print ( )      | <input type="checkbox"/> |
| (iii) if...else | <input type="checkbox"/> | (iii) None of these | <input type="checkbox"/> |

(b) The else block is executed when the if statement will return .....

- |                            |                          |                     |                          |
|----------------------------|--------------------------|---------------------|--------------------------|
| (i) True                   | <input type="checkbox"/> | (ii) False          | <input type="checkbox"/> |
| (iii) Either true or false | <input type="checkbox"/> | (iii) None of these | <input type="checkbox"/> |

(c) If a = 5 and b = 6 then what will be the output of the following code?

if (a >= 5 and b < 10):

print(a)

else:

print(b)

- |           |                          |                          |                          |
|-----------|--------------------------|--------------------------|--------------------------|
| (i) 5     | <input type="checkbox"/> | (ii) 6                   | <input type="checkbox"/> |
| (iii) 5 6 | <input type="checkbox"/> | (iii) Nothing will print | <input type="checkbox"/> |

(d) Which of the following blocks is executed in the if...elif...else statement if none of the conditions evaluates to true?

- |            |                          |                    |                          |
|------------|--------------------------|--------------------|--------------------------|
| (i) if     | <input type="checkbox"/> | (ii) elif          | <input type="checkbox"/> |
| (iii) else | <input type="checkbox"/> | (iii) All of these | <input type="checkbox"/> |

(e) Which of the following code is correct to check whether number N is divisible by both 5 and 6 numbers?

- |                              |                          |                              |                          |
|------------------------------|--------------------------|------------------------------|--------------------------|
| (i) if((N/5==0)and(N/6==0))  | <input type="checkbox"/> | (ii) if((N%5==0)and(N%6==0)) | <input type="checkbox"/> |
| (iii) if((N%5==0)or(N%6==0)) | <input type="checkbox"/> | (iii) None of these          | <input type="checkbox"/> |

(f) Which of the following is not a decision making statements?

- |                  |                          |              |                          |
|------------------|--------------------------|--------------|--------------------------|
| (i) if           | <input type="checkbox"/> | (ii) if else | <input type="checkbox"/> |
| (iii) if else if | <input type="checkbox"/> | (iv) for     | <input type="checkbox"/> |

#### 2. Fill in the blanks.

(a) The condition if(a==b) will return ..... if a = False and b = True.

(b) The AND operator used in the if statement will return true if both the conditions evaluates to .....

(c) We can use ..... statement multiple times with the if statement.