

1- Consider the following Python code fragment:

```
# i, j, and k are numbers
if i < j:
    if j < k:
        i = j
    else:
        j = k
else:
    if j > k:
        j = i
    else:
        i = k
print("i =", i, " j =", j, " k =", k)
```

What will the code print if the variables i, j, and k have the following values?

- a) i is 3, j is 5, and k is 7
answer : i=5 , j=5 , k=7
- b) i is 3, j is 7, and k is 5
- c) i is 5, j is 3, and k is 7
answer : i=7 , j=3 , k=7
- d) i is 5, j is 7, and k is 3
answer : i=5 , j=3 , k=3
- e) i is 7, j is 3, and k is 5
answer : i=5 , j=3 , k=5
- f) i is 7, j is 5, and k is 3
answer : i=7 , j=7 , k=3

2- Consider the following Python program that prints one line of text :

```
val = int(input())
if val < 10:
    if val != 5:
        print("wow ", end='')
    else:
        val += 1
else:
    if val == 17:
        val += 10
    else:
        print("whoa ", end='')
print(val)
```

What will the program print if the user provides the following input?

- (a) 3
Answer : wow 3
- (b) 21
Answer : Whoa 21
- (c) 5
Answer : 6
- (d) 17
Answer : 27
- (e) -5
Answer : wow -5