

WEEK-04-MCQ-Iteration control

1. True= False

```
while(True):  
    print(True)  
    break
```

What is the output of the following?

- a. No output **b. Syntax Error** c. True d. False

2. Which is a counter-controlled in python?

- a.for **b.do-while** c.while d.switch

3. A while loop in python is used for what type of iteration?

- a.discriminant **b.indefinite** c.definite d.indiscriminant

4. Predict the output of the program?

```
for x in range(4):  
    if x == 3: break  
    print(x)  
else:  
    print("Finally finished!")
```

What is the output of the following?

- a.00110 b.01110 c.00120 d.0120 **e.ERROR**

5. Predict the output of the program?

```
for x in range(4):  
    if x == 3: break  
    print(x)  
else:  
    print("Finally finished!")
```

Answer: ERROR

6.i=1

```
while True:
```

```
    if i%0o7==0:
```

```
        break
```

```
    print(i)
```

```
    i+=1
```

Predict the output of the following?

a. 1 2 3 4 5 6 7

b. 7

c. 1 2 3 4 5 6

d. 0 1 2 3 4 5 6 7

7. Which of the following is a loop in python?

a. For

b. Break

c. Do-While

d. If-Else

8. count = 0

```
while(True):
```

```
    if count % 3 == 0:
```

```
        print(count, end = " ")
```

```
    if(count > 18):
```

```
        break;
```

```
    count += 1
```

Predict the output of the program?

a. 0 3 6 9 12 15

b. Compilation error

c. 0 3 9 12 18

d. 0 3 6 9 12 15 18

9. For loop in python is

a. Exit Control Loop

b. Entry Control Loop

c. Multi Control Loop

d. Simple Loop

10. Which is a counter-controlled in python?

a. while

b. switch

c. do-while

d. for

11. Which of the following is a loop in python?

a. Break

b. Do-While

c. For

d. If-Else

12. numbers = (8, 9, 11, 20)

a = 1

for num in numbers:

a = a * num print(a)

Predict the output of the program?

Answer:

13. For loop follows which principle?

a. Don't Repeat Yourself (DRY)

b. Single responsibility

c. You Aren't Going to Need It(YAGNI)

d. Open/closed

14. While loop can execute a set of statements till

a. The condition starts executing

b. The condition is True

c.

c. The condition stops executing

d. The condition is False

15. How many times the loop run?

for i in range(-3):

print(i)

Answer: 0