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Started on Sunday, 21 April 2024, 4:15 PM

State Finished

Completed on Sunday, 21 April 2024, 4:38 PM

Time taken 22 mins 23 secs

Question **1**

Complete

Which of the following is a loop in python?

- ☐ a. Do-While
- ☐ b. Break
- ☒ c. For
- ☐ d. If-Else

Question **2**

Complete

Which of the following is an infinite loop?

- ☐ a. while(i==2):
- ☐ b. while(infinite):
- ☐ c. while(1):
- ☒ d. while(0):

Question **3**

Complete

For loop in python is

- ☐ a. Multi Control Loop
- ☒ b. Entry Control Loop
- ☐ c. Exit Control Loop
- ☐ d. Simple Loop

Question **4**

Complete

For loop follows which principle?

- ☒ a. Single responsibility
- ☐ b. You Aren't Going to Need It(YAGNI)
- ☐ c. Don't Repeat Yourself (DRY)
- ☐ d. Open/closed

Question **5**

Complete

While loop can execute a [set](#) of statements till

- ☐ a. The condition starts executing
- ☐ b. The condition is False
- ☐ c. The condition stops executing
- ☒ d. The condition is True

Question **6**

Complete

```
i = 1
while i < 4:
    print(i)
    if (i == 2):
        break
```

```
i += 1
```

Predict the output of the following?

- ☒ a. 1 2
- ☐ b. Compiler Error
- ☐ c. 2 3 4
- ☐ d. 1 2 3 4

Question **7**

Complete

```
numbers = (8, 9, 11, 20)
a = 1
for num in numbers:
    a = a * num
print(a)
```

Predict the output of the program?

Answer: 8, 72, 792, 15,840

Question **8**

Complete

```
numbers = (8, 9, 11, 20)
a = 1
for num in numbers:
    a = a * num
print(a)
```

Predict the output of the program?

Answer: 8, 72, 792, 15840

Question **9**

Complete

```
for x in [0, 1, 2]:
    pass
```

Predict the output of the program?

- ☐ a. Runtime Error
- ☒ b. Prints nothing
- ☐ c. Compilation Error
- ☐ d. Prints 0,1,2

Question **10**

Complete

```
num =0
while num < 5:
    num = num + 1
    print('num = ', num)
Predict the output of the following?
```

- ☒ a. Runs correctly
- ☐ b. Prints no output
- ☐ c. Runtime error
- ☐ d. Indentation Error

Question **11**

Complete

```
i = 0
while i < 3 :
    print(i)
    i += 1
    if i == 2:
        continue
    else:
        print(0)
```

What is the output of the following?

☐ a. 0

1

1

1

0

☐ b. 0

0

1

2

0

☐ c. 0

1

2

0

☒ d. 0

0

1

1

0

Question **12**

Complete

For loop in python is

☐ a. Exit Control Loop☒ b. Simple Loop☐ c. Multi Control Loop☐ d. Entry Control Loop

Question **13**

Complete

Predict the output of the following

```
i = 2
while i < 4:
    print(i)
    i += 1
```

- ☐ a. 3 4
- ☐ b. 2 3 4
- ☒ c. 2 3
- ☐ d. 1 2 3 4

Question **14**

Complete

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

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

Question **15**

Complete

Which one of them is the correct syntax of for loop in python ?

- ☒ a.

for [item] in [sequence]:
loop body
- ☐ b.

for [item] in [item]:
loop body
- ☐ c.

for[sequence] in [sequence]:
loop body
- ☐ d.

for[sequence] in [item]:
loop body

[◀ Iteration control structures](#)

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