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Started on Saturday, 23 May 2020, 3:07 AM

State Finished

Completed on Saturday, 23 May 2020, 3:24 AM

Time taken 17 mins 9 secs

Grade 10.00 out of 10.00 (100%)

Question **1**

Correct

Mark 1.00 out of 1.00



What signifies the end of a conditional statement block or loop block in Python?

Select one:

- ☒ a. A line that is indented less than the previous line ✓
- ☐ b. }
- ☐ c. A comment
- ☐ d. end

Your answer is correct.

The correct answer is: A line that is indented less than the previous line

Question **2**

Correct

Mark 1.00 out of 1.00

Dictionary keys must be immutable

Select one:

- ☒ a. True ✓
- ☐ b. False

Your answer is correct.

The correct answer is: True



Question **3**

Correct

Mark 1.00 out of 1.00

What is the output of the following if statement?

```
a, b = 12, 5
if a + b:
    print('True')
else:
    print('False')
```

Select one:

- ☐ a. False
- ☒ b. True ✓

Your answer is correct.

The correct answer is: True



Question 4

Correct

Mark 1.00 out of 1.00

What is the output of the following nested loop

```
for num in range(10, 14):  
    for i in range(2, num):  
        if num%i == 1:  
            print(num)  
            break
```

Select one:

- ☒ a. 10
11
12
13
- ☐ b. 11
13
- ☐ c. None of the above

Your answer is correct.

10

11

The correct answer is:

12

13



Question 5

Correct

Mark 1.00 out of 1.00

Given the nested if-else structure above, what will x become after the above statement is executed?

(A great way to understand such output questions is to check the value of variable at each stage by either implementing on paper or adding a print statement inside the condition block.)

```
x = 0
a = 0
b = -5
if(a > 0):
    if(b < 0):
        x = x+5
    elif(a>5):
        x = x+4
    else:
        x = x+3
else:
    x =x+2
print(x)
```

Select one:

☐ a. 4

- ☒ b. 2 ✓
- ☐ c. 0
- ☐ d. 3

Your answer is correct.

The correct answer is: 2



Question 6

Correct

Mark 1.00 out of 1.00

What is the value of the var after the for loop completes its execution?

```
var = 10
for i in range(10):
    for j in range(2, 10, 1):
        if var % 2 == 0:
            continue
            var += 1
    var+=1
else:
    var+=1
print(var)
```

Select one:

- ☐ a. 30
- ☐ b. 20
- ☒ c. 21 ✓
- ☐ d. 10

Your answer is correct.

The correct answer is: 21

Question **7**

Correct

Mark 1.00 out of 1.00

Which of the following statements create a dictionary?

Select one:

- ☐ a. `d = {}`
- ☐ b. `d = {40:"john", 45:"peter"}`
- ☒ c. All of the mentioned ✓
- ☐ d. `d = {"john":40, "peter":45}`

Your answer is correct.

The correct answer is: All of the mentioned

Question 8

Correct

Mark 1.00 out of 1.00

What will be the output of the following Python code snippet?

```
d = {"john":40, "peter":45}  
d["john"]
```

Select one:

- ☐ a. "peter"
- ☐ b. 45
- ☒ c. 40 ✓
- ☐ d. "john"

Your answer is correct.

The correct answer is: 40



Question 9

Correct

Mark 1.00 out of 1.00

Suppose `d = {"john":40, "peter":45}`. To obtain the number of entries in the dictionary which command do we use?

Select one:

- ☐ a. `size(d)`
- ☒ b. `len(d)` ✓
- ☐ c. `d.len()`
- ☐ d. `d.size()`

Your answer is correct.

The correct answer is: `len(d)`



Question **10**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Python code snippet?

```
d = {"john":40, "peter":45}  
print(list(d.keys()))
```

Select one:

- ☒ a. ["john", "peter"] ✓
- ☐ b. ["john":40, "peter":45]
- ☐ c. ("john", "peter")
- ☐ d. ("john":40, "peter":45)

Your answer is correct.

The correct answer is: ["john", "peter"]



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