

## Quiz 4

### Question 1

2 out of 2 points



What is the output of the following Python code segment?

```
n = 5
count = 1
for i in range(2, n) :
    for j in range(1, i) :
        count = count + 1
print(count)
```

Selected Answer: ☒ e. 7

- Answers:
- ☐ a. 14
  - ☐ b. 8
  - ☐ c. 15
  - ☐ d. 6
  - ☒ e. 7

## Question 2

3 out of 3 points




What is the output of the following Python code segment


```
name = "FAKHRULDEEN"  
print(name[2:10:2])
```

Output:

[theOutput]


Selected Answer:  KRLE

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
 <i>Exact Match</i>	KRLE	

### Question 3

2 out of 2 points

 Given a list `values` that contains the first ten prime numbers, which statement prints the index and value of each element in the list?

Selected Answer: 

```
for i in range(10) :  
    print(i, values[i])
```

☒ d.

Answers:

a. More than one of the given answers are correct.

```
for i in range(1, 11) :  
    print(i, values[i])
```

b.

```
for i in range(1, 10) :  
    print(i, values[i])
```

c.

```
for i in range(10) :  
    print(i, values[i])
```

☒ d.

```
for i in range(11) :  
    print(i, values[i])
```

e.

Question 4

2 out of 2 points



Given the following Python code fragment, what are the contents of the list states?

```
states = ["Alaska", "Hawaii", "Florida", "Maine", "Ohio", "Florida"]
states.remove("Florida")
```

Selected Answer: ☒ c. ["Alaska", "Hawaii", "Maine", "Ohio", "Florida"]

Answers:

- ☐ a. ["Hawaii", "Hawaii", "Maine", "Ohio"]
- ☐ b. none of the given answers is correct.
- ☒ c. ["Alaska", "Hawaii", "Maine", "Ohio", "Florida"]
- ☐ d. ["Alaska", "Hawaii", "Florida", "Maine", "Ohio", "Florida"]
- ☐ e. ["Alaska", "Hawaii", "Florida", "Maine", "Ohio"]

**Question 5**

0 out of 3 points




Consider the following code segment:

```
data = {"A": 65, "B": 66, "C": 67, "D": 68}  
data["E"] = 69  
print(len(data))
```


What is displayed when this code segment is executed?

Output:

[theOutput]

Selected Answer:  Error

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
 Exact Match	5	

## Question 6

8 out of 8 points



Write Python code that does the following:

- 1- Initialize a list variable called myDays to three strings containing the days Monday, Wednesday and Friday.
- 2- Using for loop(s) operating on the variable myDays, count the number of upper case letters in the list and store it in variable count.
- 3- Display the variable count.

NOTE: Applying the method isupper() on String s returns True when all characters in s are small letters, and there is at least one letter in the string s.

Selected Answer:

```
myDays = ['Monday', 'Wednesday', 'Friday']
count = 0
for word in myDays:
    for letter in word:
        if letter.isupper():
            count = count + 1
print(count)
```

Correct Answer:

```
myDays=["Sunday", "Tuesday", "Thursday"]
count = 0
for day in myDays:
    for char in day:
        if char.isupper():
            count = count + 1
    print(count)
```

Response Feedback:

- Defined the list properly [max 2 pts]: 2
- Defined the count variable [max 1 pt]: 1
- For loop on days [max 1 pt]: 1
- Nested for loop on characters [max 1 pt]: 1
- Correct if statement [max 1 pt]: 1
- Correct update of variable count [max 1 pt]: 1
- variable count printed [max 1 pt]: 1