Quiz no 05

Introduction to Data Analyst and Data Science for Beginners

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- 1. Email *
- 2. Write Your Name: *
- 3. What will be the output of the following code snippet? * 2 points

Mark only one oval.

- 0 1 2 15
- infinite loop
- 0 3 6 9 12 15
- 0 3 6 9 12

4. What will be the output of the following code snippet? * 2 points

```
□def thrive (n):
        if n % 15 == 0:
            print("thrive", end = " ")
        elif n % 3 != 0 and n % 5 != 0:
5
            print("neither", end = " ")
6
        elif n % 3 == 0:
            print("three", end = " ")
8
        elif n % 5 == 0:
            print("five", end = " ")
9
  thrive (35)
0
1
   thrive (56)
2
  thrive (15)
3
   thrive (39)
```

Mark only one oval.

- five neither thrive three
- five neither three thrive
- three three three
- five neither five neither

5. What will be the type of the variable sorted_numbers in the 2 points below code snippet? *

```
1  numbers = (4, 7, 19, 2, 89, 45, 72, 22)
2  sorted_numbers = sorted(numbers)
3  print(sorted_numbers)
4
```

Mark only one oval.

- List
- Tuple
- String
- O Int
- 6. What will be the output of the following code snippet? *

2 points

```
1  numbers = (4, 7, 19, 2, 89, 45, 72, 22)
2  sorted_numbers = sorted(numbers)
3  odd_numbers = [x for x in sorted_numbers if x % 2 != 0]
4  print(odd_numbers)
5
```

Mark only one oval.

- \bigcirc [2,4,7,22]
- [19,7,45,22]
- [7,19,89,45]
- [7,19,45,89]

7.	Suppose d = {"john":40, "peter":45}, what happens when we try 2 points to retrieve a value using the expression d["susan"]? *				
	Mark only one oval.				
	Since "susan" is not a value in the set, Python raises a KeyError exception				
	It is executed fine and no exception is raised, and it returns None				
	Since "susan" is not a key in the set, Python raises a KeyError exception				
	Since "susan" is not a key in the set, Python raises a syntax error				
8.	Which of these about a dictionary is false? * 2 points				
	Mark only one oval.				
	The values of a dictionary can be accessed using keys				
	The keys of a dictionary can be accessed using values				
	Dictionaries aren't ordered				
	Dictionaries are mutable				

9. What will be the output of the following code snippet? * 2 points

```
word = "Python Programming"
    n = len(word)
 3 word1 = word.upper()
    word2 = word.lower()
    converted word = """
   □for i in range(n):
   申 if i % 2 == 0:
       converted word += word2[i]
 8
9
   else:
       converted_word += word1[i]
10
11
    print(converted word)
12
```

Mark only one oval.

- Python Programming
- pythonprogramming
- pYtHoN PrOgRaMmInG
- PYTHON PROGRAMMING

10. What is the output of the following code? *

2 points

```
1  a = "4, 5"
2  nums = a.split(',')
3  x, y = nums
4  int_prod = int(x) * int(y)
5  print(int_prod)
6
7
8
```

Mark only one oval.

- 30
- **40**
- **20**
- **"20"**
- 11. As what datatype are the *args stored, when passed into a 2 points function? *

Mark only one oval.

- List
- Tuple
- Dictionary
- Set

12. If dict1 is a dictionary with some key-value pairs, what does 2 points dict1.popitem() do? *

Mark only one oval.

- Removes an arbitrary element
- Removes all the key-value pairs
- Removes the key-value pair for the key given as an argument
- Invalid method for dictionary
- 13. What will be the output of the following Python code snippet? * 2 points

```
total={}
 1
   □def insert(items):
 2
 3
   中
         if items in total:
             total[items] += 1
 4
 5
   中
         else:
 6
             total[items] = 1
 7
    insert('Apple')
     insert('Ball')
 8
    insert('Apple')
 9
    print (len(total))
10
11
```

Mark only one oval.

- 3
- <u>2</u>
- \bigcirc 1
- \bigcirc 0

14. What will be the output of the following Python code? * 2 points

Mark only one oval.

- <u>2</u>
- \bigcirc 4
- \bigcirc 1
- Error, the keys can't be a mixture of letters and numbers
- 15. What will be the output of the following code snippet? * 2 points

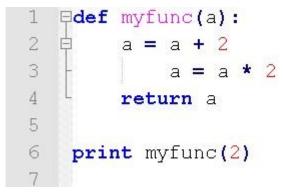
```
1  a = [1, 2, 3, 4]
2  b = [3, 4, 5, 6]
3  c = [x for x in a if x not in b]
4  print(c)
5
```

Mark only one oval.

- **[3,4]**
- [1,2,3,4,5,6]
- \bigcirc [1,2,5,6]
- **[1,2]**

16. What will be the output of the following program? *

2 points



Mark only one oval.

- 8
- Indentation Error
- Runtime Error

17. What will be the output of the following python code? * 2 points

```
numberGames = {}
 2
    numberGames [(1,2,4)] = 8
 3
    numberGames[(4,2,1)] = 10
    numberGames [(1,2)] = 12
 4
 5
    sum = 0
   □for k in numberGames:
 6
 7
         sum += numberGames[k]
 8
    print(len(numberGames) + sum)
 9
10
```

Mark only one oval.

30

<u>32</u>

33

<u>31</u>

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