Quiz no 04

Introduction to Data Analyst and Data Science for beginners

* Required

1. Email *

   _____

2. Write Your Name: *   2 points

   _____

3. 1. Choose the correct option with respect to Python. *   2 points

   Mark only one oval.

   ⬭ Both tuples and lists are immutable.

   ⬭ Tuples are immutable while lists are mutable.

   ⬭ Both tuples and lists are mutable.

   ⬭ Tuples are mutable while lists are immutable.

4. 2 . What will be the output of below Python code? *   2 points

```
1    tuple1=(5,1,7,6,2)
2    tuple1.pop(2)
3    print(tuple1)
4
```

Check all that apply.

☐ (5,1,6,2)
☐ (5,1,7,6)
☐ pop method is not supported by tuple objects
☐ Error

5. 3. What will be the output of below Python code? *   2 points

```
1    tupl=("annie","hena","sid")
2    print(tupl[-3:0])
3
4
```

Mark only one oval.

⬭ ("annie")

⬭ ()

⬭ None

⬭ Error as slicing is not possible in tuple.

6.   4. Which of the following options will not result in an error when   2 points
performed on tuples in Python where tupl=(5,2,7,0,3)? *

Mark only one oval.

   ◯ tupl[1]=2

   ◯ tupl.append(2)

   ◯ tupl1=tupl+tupl

   ◯ tupl.sort()

7.   5. What will be the output of below Python code? *   2 points

```
1  tupl=([2,3],"abc",0,9)
2  tupl[0][1]=1
3  print(tupl)
4
```

Mark only one oval.

   ◯ ([2,3],"abc",0,9)

   ◯ ([1,3],"abc",0,9)

   ◯ ([2,1],"abc",0,9)

   ◯ Error

8.   6. *   2 points

```
1   Which of the following two Python codes will give same output?
2   (i) print(tupl[:-1])
3   (ii) print(tupl[0:5])
4   (iii) print(tupl[0:4])
5   (iv) print(tupl[-4:])
6
7   If tupl=(5,3,1,9,0)
8
```

Mark only one oval.

   ⬭ i,ii

   ⬭ ii,iii

   ⬭ i,iii

   ⬭ i,iv

9.   7. What is the data type of (1)? *   2 points

Mark only one oval.

   ⬭ tuple

   ⬭ integer

   ⬭ float

   ⬭ list

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

```
1   a=("Check")*3
2   print(a)
3
```

Mark only one oval.

- ( ) ('Check','Check','Check')
- ( ) * Operator not valid for tuples
- ( ) ('CheckCheckCheck')
- ( ) Syntax error
- ( ) None of these

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

```
1   a=(2,3,4)
2   print(sum(a,3))
3
4
```

Mark only one oval.

- ( ) Too many arguments for sum() method
- ( ) The method sum() doesn't exist for tuples
- ( ) 12
- ( ) 9

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

```
1   a=(2,3,1,5)
2   a.sort()
3   print(a)
4
```

Mark only one oval.

⬭ (1,2,3,5)

⬭ (2,3,1,5)

⬭ None

⬭ Error, tuple has no attribute sort

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

```
1   set1={2,5,3}
2   set2={3,1}
3   set3={}
4   set3=set1&set2
5   print(set3)
6
```

Mark only one oval.

⬭ {}

⬭ {2,5,3}

⬭ {3,1}

⬭ {3}

14.   12. What will set1|set2 do? If set1={"a","b",3} set2={3,7} *   2 points

Mark only one oval.

⬭ Elements of set2 will get appended to set1

⬭ Elements of set1 will get appended to set2

⬭ A new set will be created with the elements of both set1 and set2

⬭ A new set will be created with the unique elements of set1 and set2.

15.   13. What will the below Python code do? *   2 points

```
1    set1={2,3}
2    set2={3,2}
3    set3={2,1}
4    if(set1==set2):
5        print("yes")
6    else:
7        print("no")
8    if(set1==set3):
9        print("yes")
10   else:
11       print("no")
12
```

Mark only one oval.

⬭ No,No

⬭ Yes,Yes

⬭ Yes,No

⬭ "==" is not supported for set in Python

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

```
1   a={1,2,3}
2   b={1,2,3}
3   c=a.issubset(b)
4   print(c)
5
```

Mark only one oval.

○ False

○ True

○ Error, no method called issubset() exists

○ Syntax error for issubset() method

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

```
a={5,6,7,8}
b={7,8,10,11}
print(a^b)
```

Mark only one oval.

○ {5,6,7,8,10,11}

○ {7,8}

○ Error as unsupported operand type of set data type

○ {5,6,10,11}

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