

Quiz on Python Data Structures

Total points 0/0 ?

Please submit your answer within 15 minutes.

Email *

ronyjnu85@gmail.com

1. Which of the following is/are immutable in Python?

- ☒ Tuples
- ☐ Dictionaries
- ☐ Sets
- ☐ All the above



2. What will be the output of the following code?

```
var=(4)
```

```
print(type(4))
```

- ☐ <class 'list'>
- ☒ <class 'int'>
- ☐ <class 'tuple'>
- ☐ None of the above

3. Which of the following is not a property of a set?

- ☐ Mutable
- ☒ Does not allow duplicates
- ☐ Ordered
- ☐ All the above



4. What will be the output of the following code?

```
set1={1,2,3,4,5}  
set1.clear()  
set1
```

- ☐ Name Error
- ☐ set()
- ☐ Type Error
- ☒ None of the above

5. Which of the following functions cannot be applied to dictionaries?

- ☐ value()
- ☐ get()
- ☐ items()
- ☒ None of the above



6. Which of the following will give an non-empty list as an output if the list is

list1=[1,2,3,4,5,6,7]

- ☐ list1[2:2]
- ☒ list1[-3:6]
- ☐ list1[-4:2]
- ☐ list1[-4:3]

7. What will be the output of the following code?

```
tup=(1,2,3,1,1.0,4)
print(tup.count(1))
```

- ☐ TypeError
- ☐ 2
- ☐ ValueError
- ☒ 3



8. Which of the following data structures are not ordered?

- ☐ Tuples
- ☒ Sets
- ☐ Dictionaries
- ☐ Both b and c

9. Which of the following codes does not give error on type conversions?

- ☐ tuple(4)
- ☐ tuple(4,)
- ☒ tuple('4')
- ☐ None of the above

10. What will be the output of the following code?

```
dic={'a':1,'e':2,2:54}  
type(dic.keys())
```

- ☒ <class 'dict_keys'>
- ☐ <class 'list'>
- ☐ <class 'tuple'>
- ☐ <class 'set'>



11. Which of the following does gives an error if

dic={1:'a',2:'b',3:'c',name:'d'}?

- ☒ dic.get(5)
- ☐ dic[4]
- ☐ dic[1]
- ☐ All the above

12. What will be the output of the following code? *

```
print((1,2,3)+('a','b','c'))
```

- ☐ ((1, 2, 3),('a', 'b', 'c'))
- ☐ (1,'a',2,'b',3,'c')
- ☐ Error
- ☒ (1, 2, 3, 'a', 'b', 'c')

13. Which of the following is a wrong way to create a dictionary?

- ☐ dic={1:'a',(2,3):'bc',4:'d'}
- ☐ dic=dict([[1,2,3],['a','b','c']])
- ☐ dic=dict([[1,'a'],[2,'b'],[3,'c']])
- ☒ Both a and b



14. Which of the following list comprehensions give the output as [1,3,5,7,9]?

- ☐ [i for i in range(9) if i%2==1]
- ☐ [i for i in range(10) if i%2==0]
- ☐ [i for i in range(9) if i%2==0]
- ☒ [i for i in range(10) if i%2==1]

15. Which of the following cannot be an element of a set?

- ☐ Tuple
- ☒ Dictionary
- ☐ List
- ☐ Both b and c

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