Tuple MCQs

1. What is a tuple in Python?

a) A collection that is unordered and mutable
b) A collection that is ordered and unchangeable
c) A collection that is unordered and unchangeable
d) A collection that is ordered and mutable

2. Which of the following methods can be used with tuples in Python?

a) append()
b) insert()
c) extend()
d) index()

3. How do you create an empty tuple in Python?

a) empty_tuple = ()
b) empty_tuple = []
c) empty_tuple = { }
d) empty_tuple = tuple([])

4. What will the output of the following code?

t = (1, 2, 3)
t[1] = 4

a) (1, 4, 3)
b) [1, 4, 3]
c) Error
d) None of the above

5. Which of the following is a valid way to create a tuple with a single element?

a) (1,)
b) (1)
c) tuple[1]
d) [1,]

6. What is the output of the following code

t = (1, 2, 3) + (4, 5)
print(t)

a) (1, 2, 3, 4, 5)
b) [1, 2, 3, 4, 5]
c) (5, 4, 3, 2, 1)
d) Error

7. Can a tuple contain elements of different data types?

a) Yes
b) No

8. Which of the following is not a tuple operation in Python?

a) Concatenation
b) Repetition
c) Slicing
d) Sorting

9. What is the output of the following code?

t = (1, 2, 3)
print(t[-1])

a) 1
b) 2
c) 3
d) -1

10. Which function can be used to convert a list to a tuple in Python?

a) tuple()
b) list()
c) set()
d) dict()

11. What is the length of the following tuple?

my_tuple = ("Developer", "Software", "ITDebuggers", "Tester")
print(len(my_tuple))

a) 3
b) 4
c) 5
d) 6

12. What will the following code output?

A = (4, 5, 6, 7, 9, 7, 8, 5, 7, 25, 7, 6)
print(A[-3:-1])

a) (25, 7)
b) (7, 25)
c) (25, 7, 6)
d) Error

13. Which of the following operations will reverse the tuple?

tup1 = ('Developer', 'ITDebuggers', 1997, 2000)

a) tup1.reverse()
b) reversed(tup1)
c) tup1[::-1]
d) tup1.sort(reverse=True)

14.What will be the result of this code?

my_tuple = ("ITDebuggers", "Backend", "Frontend", "Developer")
print(type(my_tuple))

a) list
b) tuple
c) set
d) str