

PRACTICE QUESTION BANK

Objective Type Questions

1 Mark



Enter your choice(1-7): 7

```
for k in numberGames:
    sum += numberGames[k]
print len(numberGames) * sum
```

1. Suppose `t = (1, 2, 4, 3)`, which of the following is incorrect?

- (a) `print(t[3])`
- (b) `t[3] = 45`
- (c) `print(max(t))`
- (d) `print(len(t))`

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

```
>>>t=(1,2,4,3)
>>>t[1:-1]
```

- (a) (1, 2)
- (b) (1, 2, 4)
- (c) (2, 4)
- (d) (2, 4, 3)

3. What will be the output of the following Python code?

```
>>>t1=(1,2,4,3)
>>>t2=(1,2,3,4)
>>>t1<t2
```

- (a) True
- (b) False
- (c) Error
- (d) None

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

```
numberGames = {}
numberGames[(1,2,4)] = 8
numberGames[(4,2,1)] = 10
numberGames[(1,2)] = 12
sum = 0
```

5. What is the data type of (1)?

- (a) List
- (b) Tuple
- (c) Integer
- (d) Both tuple and integer

6. Suppose `t = (1, 2, 4, 3)`, which of the following is incorrect?

- (a) `t[3] = 45`
- (b) `print(t[3])`
- (c) `print(max(t))`
- (d) `print(len(t))`

7. Choose the correct option.

- (a) In Python, a tuple can contain only strings as its elements.
- (b) In Python, a tuple can contain only integers as its elements.
- (c) In Python, a tuple can contain both integers and strings as its elements.
- (d) In Python, a tuple can contain either string or integer but not both at a time.

8. What will be the output of the following Python code?

```
>>>
t=(1,2,4,3)
>>>t[1:3]
(a) (1, 2)
(b) (2, 4)
(c) (1, 2, 4)
(d) (2, 4, 3)
```

9. What will be the output of the following Python code?
- ```
>>> a=(1,2,(4,5))
>>> b=(1,2,(3,4))
>>> a==b
```
- (a) True (b) False  
(c) Error, < operator is not valid for tuples  
(d) Error, < operator is valid
10. What will be the output of below Python code?
- ```
tuple1=(2,4,3)
tuple3=tuple1*2
print(tuple3)
```
- (a) (4,8,6) (b) Error
(c) (2,4,3,2,4,3) (d) (2,2,4,4,3,3)
11. What will be the output of below Python code?
- ```
tuple1=("annie","hena","sid")
print(tuple1[-3:0])
```
- (a) ()  
(b) ("annie")  
(c) Error as slicing is not possible in tuple.  
(d) None
12. What will be the output of below Python code?
- ```
tuple1=()
tuple1=tuple1*2
print(len(tuple1))
```
- (a) 0
(b) 1
(c) 2
(d) Error as tuple object has no attribute to len
13. What will be the output of the following Python code?
- ```
>>> a,b=6,7
>>> a,b=b,a
>>> a,b
```
- (a) (6,7) (b) (7,6)  
(c) Invalid syntax (d) Nothing is printed
14. What will be output of: `t=(11,22,33,44);print(t[1+2])`?
- (a) 3 (b) 33  
(c) 44 (d) 1+2
15. If `t=(4,3,2)`, then what will be the output of: `print((t*2)+t)`?
- (a) (4,3,2) (b) (8,6,4)  
(c) (4,3,2,4,3,2,4,3,2) (d) (16,9,4,4,3,2)
16. If `t=(20,56,89,54,32,12)`, then what will be output for `print(t[4:-1])`?
- (a) (20,56,89,54,32,) (b) (32,)  
(c) (12,32,) (d) (56,89,54,32,12)
17. What will be the output of: `t=(44,56,78);print(77 not in t)`?
- (a) Error (b) True  
(c) False (d) 77

18. **Assertion (A):** `clear()` method removes all elements from the tuple  
**Reason (R):** `len()` function can be used to find the length of a tuple
19. **Assertion (A):** tuples are enclosed by curly braces {}  
**Reason (R):** The value are separated by commas (,)
20. **Assertion (A):** Items in tuple are unordered.  
**Reason (R):** We may not get back the data in the same order in which we had entered the data initially in the tuple.
21. **Assertion (A):** index of the tuple must be unique.  
**Reason (R):** The element of the tuple can be accessed using index.



### Short Answer

Type Questions 2/3 Marks



22. Find the output of the following
- ```
t=('t','u','p','l','e')
t=('Tuple',)+t[3:]
print(t)
```
23. Find the output of the following
- ```
t1=(78,99,11)
t2=(10,20)
t3=t1+t2*2
t4=t3+t2
print((t1+t2)*2)
print(t3)
print(t4)
```
24. Find the output of the following
- ```
t1=(55,66,7)
t2=('55','66','7')
print(t1*2)
print(t1+t2)
```
25. Find the output of the following
- ```
t=(78,67,88,99,11,34,56)
s1=t[:3]
s2=t[3:3]
s3=t[3:]
s4=t[-3:3]
s5=t[: -3]
s6=t[3:-3]
s7=t[-3:3]
s8=t[:]
s9=t[3:-1]
s10=t[0:3]
```
26. Find the output of the following
- ```
t=(13,23,43,63,83)
slice1=t[0:4]
print(slice1)
slice1=t[2:-1]
print(slice1)
slice1=t[2:33]
```

```
print(slice1)
print(t[0:10:2])
print(t[0:10:3])
print(t[:5:3])
print(t[:3])
print(t[4::2])
```

7. Find the output of the following

```
t = (14, 34, 54, 74, 94)
ft = (14, 34, 54, 74, 94)
for i in range(len(t)):
    if i%2==0:
        print(i-3, ",", end=" ")
        print()
print(t[-1]+t[-2]+t[-3])
print(t[4]-t[2]-t[0])
```

Find the Error in the following code

```
t=(56,89,54,32,12)
t[1]=99
print(t*(4))
print(t[5])
```

Find the Error in the following code

```
t = (14, 34, 54, 74, 94)
for i in range(t):
    if i%2==0:
        print(t-3, ",", end=" ")
```

Consider the following tuples, tuple1 and tuple2:

```
tuple1 = (23, 1, 45, 67, 45, 9, 55, 45)
tuple2 = (100, 200)
```

Find the output of the following statements:

- (i) print(tuple1.index(45))
- (ii) print(tuple1.count(45))
- (iii) print(tuple1 + tuple2)
- (iv) print(len(tuple2))
- (v) print(max(tuple1))

- (vi) print(min(tuple1))
- (vii) print(sum(tuple2))
- (viii) print(sorted (tuple1))
- print(tuple1)

31. What is tuple?

32. Write the output of the given python code :

```
tup1 = (12, 34.56);
tup2 = ('abc', 'xyz');
tup3 = tup1 + tup2;
print tup3;
```

33. Write the output of the given python code :

```
tuple1, tuple2 = (123, 'xyz'), (456, 'abc')
print cmp (tuple1, tuple2) ;
print cmp (tuple2, tuple1) ;
tuple3 = tuple2 + (786,);
print cmp (tuple2, tuple3)
```

34. write the output of the given python code :

```
tuple1, tuple2 = (123, 'xyz', 'zara', 'abc'),
(456, 700, 200)
print "min value element : ", min (tuple1);
print "min value element : ", min (tuple2);
```

35. Write a program to print the worker's information (Name age, salary) in a format.



Long Answer Type Questions

5 Marks



36. Write a program to input 'n' numbers and store it in tuple.
37. Write a program to input any two tuples and interchange the tuple values.
38. Write a program to input 'n' numbers and separate the tuple in the following manner.