

Question 1:

Tuples allow duplicate values

True

False

Question 2:

Guess the output of this program:

```
1. print((1, 2) + ('Why') == (1, 2, 'Why'))
```

True

False

Error

('Why') is not tuple. Write ('Why',)

Question 3:

Guess the output of this program:

```
1. print(len(())+(())+())
```

0

3

Error

Question 4:

Guess the output of this program:

```
1. print(sorted((3, 2, 1)) + (4, 5))
```

(1, 2, 3, 4, 5)

[1, 2, 3, 4, 5]

(3, 2, 1, 4, 5)

Error

Sorted return a list

Question 5:

Guess the output of this program:

```
1. class Student:
2.     def __init__(self, id, name, gpa = 3.9):
3.         self.info = ('name', name, 'gpa', gpa)
4.         self.info = [id, self.info]
5.
6.
7. student1 = Student(10, 'mostafa')
8. student2 = Student(20, 'ziad', 3.1)
9.
```

```
10. t = student1, student2
11.
12. t[0].info = t[1].info
13.
14. print(t[0].info[1][3])
```

3.9

3.1

'mostafa'

'ziad'

'gpa'

Error

Question 6:

Guess the output of this program:

```
1. lst1 = [1, 2, 3]
2. lst1 += ['x', 'y']
3. a, *b, c, d = lst1
```

[2, 3]

[2]

[3]

[2, 3, 'x']

Question 7:

Guess the output of this program:

```
1. def f(*nums):
2.     res = 0
3.     for item in nums:
4.         res += item
5.     return res
6.
7.
8. print(f(7, 2, 1))
```

10

14

Error

Question 8:

Guess the output of this program:

```
1. def f(*args):
2.     result = 0
3.     for x in args:
```

```
4.         result += x
5.     return result
6.
7. list1 = [1, 2]
8. list2 = [3]
9. list3 = [4, 5, 6]
10.
11. print(f(*list1, *list2, *list3))
```

Error

21

[[1, 2], [3], [4, 5, 6]]

[1, 2, 3, 4, 5, 6]

Question 9:

Guess the output of this program:

```
1. lst1 = [1, 2]
2. lst2 = [3, 4]
3. t = (lst1, lst2)
4. print(t[1][1])
```

Error

1

2

3

4

Question 10:

Guess the output of this program:

```
1. t = (1, (2, 3)), [4, (5, 6)]
2.
3. x, y = t
4. print(y[0])
```

1

2

3

4

5

6

Question 11:

Guess the output of this program:

```
1. res = ''
2.
3. for idx, (c1, c2, c3) in enumerate(zip('abc', 'xyzw', '12345')):
4.     res += (c1+c2+c3)*idx
5.
6. print(res)
```

Error

ax1by2by2cz3cz3cz3

by2cz3cz3

Question 12:

Guess the output of this program:

```
1. def f():
2.     return 5, 7, 9, 15
3.
4. print(f()[2])
```

5

7

9

15

Question 13:

Guess the output of this program:

```
1. lst1 = [10, 20, 30, 40]
2. lst2 = list(range(100))
3.
4. for x, y in zip(lst1, lst2):
5.     print(x, y, end=' ')
6.     lst1.clear()
```

Error

10 0

10 0 20 1 30 2 40 3

zip will recognize that you altered the content.