

Part 1 :

1. Which of the following commands will create a list?
 - a) `list1 = list()`
 - b) `list1 = []`
 - c) `list1 = list([1, 2, 3])`
 - d) all of the mentioned

2. What is the output when we execute `list("hello")`?
 - a) `['h', 'e', 'l', 'l', 'o']`
 - b) `['hello']`
 - c) `['llo']`
 - d) `['olleh']`

3. Suppose `listExample` is `['h','e','l','l','o']`, what is `len(listExample)`?
 - a) 5
 - b) 4
 - c) None
 - d) Error

4. Suppose `list1` is `[2445,133,12454,123]`, what is `max(list1)`?
 - a) 2445
 - b) 133
 - c) 12454
 - d) 123

5. Suppose `list1` is `[3, 5, 25, 1, 3]`, what is `min(list1)`?
 - a) 3
 - b) 5
 - c) 25
 - d) 1

6. Suppose `list1` is `[1, 5, 9]`, what is `sum(list1)`?
 - a) 1
 - b) 9
 - c) 15
 - d) Error

7. To shuffle the list(say list1) what function do we use?

- a) list1.shuffle()
- b) shuffle(list1)
- c) random.shuffle(list1)
- d) random.shuffleList(list1)

8. Suppose list1 is [4, 2, 2, 4, 5, 2, 1, 0], Which of the following is correct syntax for slicing operation?

- a) print(list1[2:])
- b) print(list1[:2])
- c) print(list1[:-2])
- d) all of the mentioned

9. Suppose list1 is [2, 33, 222, 14, 25], What is list1[-1]?

- a) Error
- b) None
- c) 25
- d) 2

10. Suppose list1 is [2, 33, 222, 14, 25], What is list1[:-1]?

- a) [2, 33, 222, 14]
 - b) Error
 - c) 25
 - d) [25, 14, 222, 33, 2]
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Part 2 :

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

```
>>>names = ['Amir', 'Bear', 'Charlton', 'Daman']  
>>>print(names[-1][-1])
```

- a) A
- b) Daman
- c) Error
- d) n

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

```
names1 = ['Amir', 'Bear', 'Charlton', 'Daman']
names2 = names1
names3 = names1[:]

names2[0] = 'Alice'
names3[1] = 'Bob'

sum = 0
for ls in (names1, names2, names3):
    if ls[0] == 'Alice':
        sum += 1
    if ls[1] == 'Bob':
        sum += 10

print sum
```

- a) 11
- b) 12
- c) 21
- d) 22

3. Suppose list1 is [1, 3, 2], What is list1 * 2?

- a) [2, 6, 4]
- b) [1, 3, 2, 1, 3]
- c) [1, 3, 2, 1, 3, 2]
- d) [1, 3, 2, 3, 2, 1]

4. Suppose list1 = [0.5 * x for x in range(0, 4)], list1 is:

- a) [0, 1, 2, 3]
- b) [0, 1, 2, 3, 4]
- c) [0.0, 0.5, 1.0, 1.5]
- d) [0.0, 0.5, 1.0, 1.5, 2.0]

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

```
>>>list1 = [11, 2, 23]
>>>list2 = [11, 2, 2]
>>>list1 < list2
```

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

6. To add a new element to a list we use which command?

- a) `list1.add(5)`
- b) `list1.append(5)`
- c) `list1.addLast(5)`
- d) `list1.addEnd(5)`

7. To insert 5 to the third position in list1, we use which command?

- a) `list1.insert(3, 5)`
- b) `list1.insert(2, 5)`
- c) `list1.add(3, 5)`
- d) `list1.append(3, 5)`

8. To remove string "hello" from list1, we use which command?

- a) `list1.remove("hello")`
- b) `list1.remove(hello)`
- c) `list1.removeAll("hello")`
- d) `list1.removeOne("hello")`

9. Suppose list1 is [3, 4, 5, 20, 5], what is `list1.index(5)`?

- a) 0
- b) 1
- c) 4
- d) 2

10. Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is `list1.count(5)`?

- a) 0
- b) 4
- c) 1
- d) 2

Part 3 :

1. Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after `list1.reverse()`?

- a) [3, 4, 5, 20, 5, 25, 1, 3]
- b) [1, 3, 3, 4, 5, 5, 20, 25]
- c) [25, 20, 5, 5, 4, 3, 3, 1]
- d) [3, 1, 25, 5, 20, 5, 4, 3]

2. Suppose listExample is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after listExample.extend([34, 5])?

- a) [3, 4, 5, 20, 5, 25, 1, 3, 34, 5]
- b) [1, 3, 3, 4, 5, 5, 20, 25, 34, 5]
- c) [25, 20, 5, 5, 4, 3, 3, 1, 34, 5]
- d) [1, 3, 4, 5, 20, 5, 25, 3, 34, 5]

3. Suppose listExample is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after listExample.pop(1)?

- a) [3, 4, 5, 20, 5, 25, 1, 3]
- b) [1, 3, 3, 4, 5, 5, 20, 25]
- c) [3, 5, 20, 5, 25, 1, 3]
- d) [1, 3, 4, 5, 20, 5, 25]

4. Suppose listExample is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after listExample.pop()?

- a) [3, 4, 5, 20, 5, 25, 1]
- b) [1, 3, 3, 4, 5, 5, 20, 25]
- c) [3, 5, 20, 5, 25, 1, 3]
- d) [1, 3, 4, 5, 20, 5, 25]

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

```
>>>"Welcome to Python".split()
```

- a) ["Welcome", "to", "Python"]
- b) ("Welcome", "to", "Python")
- c) {"Welcome", "to", "Python"}
- d) "Welcome", "to", "Python"

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

```
>>>list("a#b#c#d".split('#'))
```

- a) ['a', 'b', 'c', 'd']
- b) ['a b c d']
- c) ['a#b#c#d']
- d) ['abcd']

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

```
myList = [1, 5, 5, 5, 5, 1]
max = myList[0]
indexOfMax = 0
for i in range(1, len(myList)):
    if myList[i] > max:
        max = myList[i]
        indexOfMax = i

>>>print(indexOfMax)
```

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

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

```
myList = [1, 2, 3, 4, 5, 6]
for i in range(1, 6):
    myList[i - 1] = myList[i]

for i in range(0, 6):
    print(myList[i], end = " ")
```

- a) 2 3 4 5 6 1
- b) 6 1 2 3 4 5
- c) 2 3 4 5 6 6
- d) 1 1 2 3 4 5

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

```
>>>list1 = [1, 3]
>>>list2 = list1
>>>list1[0] = 4
>>>print(list2)
```

- a) [1, 3]
- b) [4, 3]
- c) [1, 4]
- d) [1, 3, 4]

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

```
def f(values):  
    values[0] = 44  
  
v = [1, 2, 3]  
f(v)  
print(v)
```

- a) [1, 44]
- b) [1, 2, 3, 44]
- c) [44, 2, 3]
- d) [1, 2, 3]