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[0])

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]

11. 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

12. 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

13. 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]

14. 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]

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

>>>list1 = [11, 2, 23]
>>>list2 = [11, 2, 2]
>>>list1 < list2 is
a) True
b) False
c) Error
d) None

16. 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)

17. 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)

18. 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")

19. Suppose list1 is [3, 4, 5, 20, 5], what is list1.index(5)?
a) 0
b) 1
c) 4
d) 2

20. Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is list1.count(5)?
a) 0
b) 4
c) 1
d) 2

21. 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]

22. 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]

23. 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]

24. 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]

25. 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"

26. 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']

27. 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

28. 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

29. 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]

30. 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]