Assignment 3

The due date for submitting this assignment has passed.   **Due on 2019-08-21, 23:59 IST.**

Assignment submitted on 2019-08-21, 21:44 IST

1) What will be the output of following program?   *1 point*

```
numbers = [1, 2, 3, 4]
numbers.append([5,6,7,8])
print(len(numbers))
```

- ○ 4
- ⦿ 5
- ○ 8
- ○ 12

Yes, the answer is correct.
Score: 1
Accepted Answers:
5

2) What will be displayed by the following code?   *1 point*

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

- ⦿ [4,3]
- ○ [1,3]
- ○ [1,4]
- ○ [1,2,3]

Yes, the answer is correct.
Score: 1
Accepted Answers:
[4,3]

3) What does the function random.randrange(49,150) return in Python?   *1 point*

- ○ It returns a random number from 49 to 150
- ⦿ It returns a random number from 49 to 149
- ○ It returns a random number from 50 to 150
- ○ It returns a random number from 50 to 149

Yes, the answer is correct.
Score: 1
Accepted Answers:
It returns a random number from 49 to 149

4) Which of the following options is the possible outcome of the function shown below?   *1 point*

```
random.randrange(1,100,10)
```

- ○ 22
- ○ 9
- ○ 101
- ⦿ 91

Yes, the answer is correct.
Score: 1
Accepted Answers:
91

5) What can be the output of the following code snippet?   *1 point*

```
list = [55, 66, 77, 88, 99]
print(random.choice(list))
```

- ○ 100
- ○ 99
- ○ 55
- ⦿ Either B or C

Yes, the answer is correct.
Score: 1
Accepted Answers:
Either B or C

6) If the word in your mind is HIT, in how many ways can you pose the jumbled question?   *1 point*

- ○ 5
- ⦿ 6
- ○ 7
- ○ 8

No, the answer is incorrect.
Score: 0
Accepted Answers:
5

7) How is trimmed mean calculated?   *1 point*

- ○ Sort the values then remove top 10% or bottom 10% of the values
- ⦿ Sort the values then remove top 10% and bottom 10% of the values
- ○ Sort the values then remove top 10% of the values
- ○ Sort the values then remove bottom 10% of the values

Yes, the answer is correct.
Score: 1
Accepted Answers:
Sort the values then remove top 10% and bottom 10% of the values

8) State True or False.   *1 point*
Matplotlib in Python can only generate line graphs.

- ○ True
- ⦿ False

Yes, the answer is correct.
Score: 1
Accepted Answers:
False

9) What is the output of the following matplotlib program?   *1 point*

```
from matplotlib import pyplot as plt
x = [1, 2, 3, 4, 5]
y = [1, 2, 3, 4, 5]
plt.plot(x,y)
plt.show()
```

- ⦿ A straight line
- ○ A parabola
- ○ A zig-zag pattern
- ○ None of the above

Yes, the answer is correct.
Score: 1
Accepted Answers:
A straight line