Unit 5 - Week 3: Cool Ideas (Part 1)

Register for Certification exam

Course outline

Pre-Requisite Assignment

Week 1: Introduction

Week 2: Introduction to Python

Week 3: Cool Ideas (Part 1)

- Lists Part 1 : Introduction
- Lists Part 2 : Manipulation
- Lists Part 3 : Operations
- Lists Part 4 : Slicing
- Loops and Conditionals : Fizzbuzz 01
- Loops and Conditionals : Fizzbuzz 02
- Crowd Computing - Just estimate 01
- Crowd Computing - Just estimate 02
- Crowd Computing - Just estimate 03
- Crowd Computing - Just estimate 04
- Crowd Computing - Just estimate 05
- Crowd Computing - Just estimate 06
- Permutations - Jumbled Words 01
- Permutations - Jumbled Words 02
- Permutations - Jumbled Words 03
- Theory of Evolution 01
- Theory of Evolution 02
- Theory of Evolution 03
- Theory of Evolution 04
- **Quiz : Assignment 3**
- Programming Assignment-1: Max and Min
- Programming Assignment-2: Multiple of 5
- Programming Assignment-3: Digits
- Week 3 Feedback : The Joy of Computing using Python

Week 4: Cool Ideas (Part 2)

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TEXT TRANSCRIPTION

Assignment 3

Your last recorded submission was on 2019-08-13, 00:04 IST **Due date: 2019-08-21, 23:59 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

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]

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

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

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

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

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

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

- True
- (•) 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

You may submit any number of times before the due date. The final submission will be considered for grading.

Submit Answers