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NPTEL

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

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Course outline

How to access the portal

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

Assignment 3

The due date for submitting this assignment has passed. **Due on 2019-02-20, 23:59 IST.**

Assignment submitted on 2019-02-20, 21:38 IST

1) If the list t = [2, 5, 7, 9, 10, 11, 12], what will be the output of the statement t[2:4]? ***1 point***

- [7,10]
- [7,9,10]
- [7,9] ✓
- [5,7,9]

Yes, the answer is correct.
Score: 1

Accepted Answers:
[7,9]

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

- 5
- 6 ✓
- 7
- 3

No, the answer is incorrect.
Score: 0

Accepted Answers:
5

3) What does the count method return when applied on a list? ***1 point***

- It returns the number of occurrences of an element in a list. ✓
- It returns the number of elements present in the list.
- It returns the index of last element of the list.
- None of the above

Yes, the answer is correct.
Score: 1

Accepted Answers:
It returns the number of occurrences of an element in a list.

4) In the game FizzBuzz, what should be the output for the number 105? ***1 point***

- Fizz
- Buzz
- FizzBuzz ✓

- Crowd Computing - Just estimate 04
- Crowd Computing - Just estimate 05
- Crowd Computing - Just estimate 06
- Permutations - Jumbled Words 01
- Permutations - Jumbled Words 02
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- Theory of Evolution 01
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- Programming Assignment-1: Max and Min
- Programming Assignment-2: Multiple of 3
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Week 4: Cool Ideas (Part 2)

Week 5: Cool Ideas (Part 3)

Week 6: Cool Ideas (Part 4)

Week 7: Cool Ideas(Part 5)

Week 8: Cool Ideas(Part 6)

Week 9: Cool Ideas(Part 7)

Week 10: Cool Ideas(Part 8)

- Either A or B

Yes, the answer is correct.
Score: 1

Accepted Answers:
FizzBuzz

5) Which of the following libraries is used to create 2D graphs in Python? ***1 point***

- (•) Matplotlib
- ( ) Plot
- ( ) Plotting
- ( ) Plotgraph

Yes, the answer is correct.
Score: 1

Accepted Answers:
Matplotlib

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

```
numbers=["one","two","three"]
for each in numbers:
    print(each)
```

- ( ) one
  three
  two
- ( ) one
- ( ) one
  two
- (•) one
  two
  three

Yes, the answer is correct.
Score: 1

Accepted Answers:
one
two
three

7) What does the function random.randrange(50,100) return in Python? ***1 point***

- ( ) It returns a random number from 51 to 99.
- ( ) It returns a random number from 51 to 100.
- (•) It returns a random number from 50 to 99.
- ( ) It returns a random number from 50 to 100.

Yes, the answer is correct.
Score: 1

Accepted Answers:
It returns a random number from 50 to 99.

8) 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

No, the answer is incorrect.
Score: 0

Accepted Answers:
Sort the values then remove top 10% and bottom 10% of the values

Week 11

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9) Which of the following **can be** an output of
random.randint(1,1000)
but can never be an output of
random.randrange(1,1000) ?

1 point

- 1
- 0
- -1
- 1000

Yes, the answer is correct.
Score: 1

Accepted Answers:
1000

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