



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

Course outline

How to access the portal

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

Assignment 3

The due date for submitting this assignment has passed. **Due on 2018-09-05, 23:59 IST.**

Assignment submitted on 2018-08-24, 16:46 IST

1) Consider the following snippet:

1 point

```
def test(n):
    if n%7==0:
        print('Hipp Hipp Hurrah')
    else:
        print('Alas')
```

What would be the output of test(27)?

- ☐ Hipp Hipp Hurrah
- ☐ Hipp
- ☐ Hurrah
- ☒ Alas

Yes, the answer is correct.

Score: 1

Accepted Answers:

Alas

2) Which of the following Python snippets would print the values from 1 to 10?

1 point

- ☐ for i in range(10):
 print(i)
- ☐ for i in range(11):
 print(i)
- ☐ for i in range(1,10):
 print i
- ☒ for i in range(1,11):
 print(i)

Yes, the answer is correct.

Score: 1

Accepted Answers:

for i in range(1,11):
 print(i)

3) What does the following snippet print:

1 point

- 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
- Programming Assignment 1 : Average
- Programming Assignment 2 : List Slicing
- Programming Assignment 3 : Divisibility
- Quiz : Assignment 3
- Week 3 Feedback

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)

```
for i in range(11,16):
    if i%2==0:
        print('Jack')
    elif i%3==0:
        print('Jill')
    elif i%2==0 and i%3==0:
        print('Jack and Jill')
    else:
        print('Jill and Jack')
```

☐ Jill and Jack

Jack and Jill

Jill and jack

Jack

Jill

☒ Jill and Jack

Jack

Jill and jack

Jack

Jill

☐ Jack and Jill

Jill

Jack and Jill

Jack

Jill

☐ Jill and Jack

Jill

Jill and jack

Jack

Jill

Yes, the answer is correct.

Score: 1

Accepted Answers:

Jill and Jack

Jack

Jill and jack

Jack

Jill

4) If the word in your mind is CAT, in how many ways can you pose the jumbled question?

1 point

☐ 1

☐ 3

☒ 5

☐ 7

Yes, the answer is correct.

Score: 1

Accepted Answers:

5

5) Given the following jumbled word, guess the correct English word:

1 point

PUCROTEM

☐ CROPUTEM

☐ CROPETUM

☐ CROTEMPU

☒ COMPUTER



Week 10: Cool Ideas(Part 8)

Week 11

Week 12

DOWNLOAD VIDEOS

Yes, the answer is correct.

Score: 1

Accepted Answers:

COMPUTER

6) Which of the following can be a valid output of the statement

1 point

```
random.choice([10,20,30,40])
```

- ☐ 1
- ☐ 3
- ☐ 4
- ☒ 10

Yes, the answer is correct.

Score: 1

Accepted Answers:

10

7) When a file is opened in 'a' mode

1 point

- ☐ You don't have any rights to access the file
- ☐ You can only read the contents of the file
- ☒ You can write contents to the end of the existing file contents.
- ☐ You can write new contents onto the file but once you write new contents existing contents would be overwritten

Yes, the answer is correct.

Score: 1

Accepted Answers:

You can write contents to the end of the existing file contents.

8) Which of the following can be an output of

1 point

```
random.randint(1,10)
```

but can never be an output of

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

- ☐ 1
- ☐ 0
- ☐ -1
- ☒ 10

Yes, the answer is correct.

Score: 1

Accepted Answers:

10

9) If **g^** is passed as a parameter along with plot function of matplotlib.pyplot, how would the data points be represented?

1 point

- ☐ green squares
- ☐ green diamonds
- ☒ green triangles
- ☐ green circles or dots

Yes, the answer is correct.

Score: 1

Accepted Answers:

green triangles

10)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



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Funded by

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