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a.rahulkrishnan14@gmail.com ⌄

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » The Joy Of Computing Using Python

(course)

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**Course
outline**

**How does an
NPTEL
online
course
work? ()**

Week 0 ()

Week 1 ()

Week 2 ()

Week 3 ()

week 4 ()

Week 5 ()

Week 6 ()

Week 7 ()

Week 8 ()

Week 8 : Assignment

The due date for submitting this assignment has passed.

Due on 2023-09-20, 23:59 IST.

Assignment submitted on 2023-09-20, 21:12 IST

1) What is the correct initialisation of tuples?   **1 point**

○ Dates = [12,23,3,4]

◉ Dates = (12,23,3,4)

○ Dates = {12,23,3,4}

○ Both B and C

Yes, the answer is correct.
Score: 1
Accepted Answers:
Dates = (12,23,3,4)

2) What operations can be done on tuples?   **1 point**

○ Tuples are appendable.

○ We can delete a value from tuples.

○ Both A and B.

◉ We can count the number of instances of an element.

Yes, the answer is correct.
Score: 1
Accepted Answers:
We can count the number of instances of an element.

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

```
t = (1,2,3,4,5)

for i in range(-1,-len(t), -1):
    print(t[i])
```

- ○ 1,2,3,4,5
- ○ 5,4,3,2,1
- ◉ 5,4,3,2
- ○ 1,2,3,4

Yes, the answer is correct.
Score: 1

Accepted Answers:
5,4,3,2

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

```
1    word = 'facebook'
2    new = ''
3
4    for w in word:
5        i = ord(w)
6
7        j = ((( i+26 ) - 97 ) % 26 ) + 97
8
9        new = new + chr(j)
10
11   print(new)
```

- ◉ facebook
- ○ gbdfcppl
- ○ ezbdannj
- ○ ytvxuhhd

Yes, the answer is correct.
Score: 1

Accepted Answers:
facebook

5) When the following program will clap?   **1 point**

```
1    print('Enter a letter between a-z')
2
3    player1 = str(input())
4    player2 = str(input())
5
6    while(True):
7
8        if(ord(player1.lower())+1 == ord(player2.lower())):
9            print('clap')
10           break
11       else:
12           player1 = str(input())
13           player2 = str(input())
14
```

○ When both players will enter the same letters.

◉ When player 2 will enter the next letter with respect to player 1.

○ When player 1 will enter the next letter with respect to player 2.

○ It will never clap.

Yes, the answer is correct.
Score: 1

Accepted Answers:
When player 2 will enter the next letter with respect to player 1.

6) Which statement is correct about the following program?   *1 point*

```python
1    import random
2    import matplotlib.pyplot as plt
3
4    l = []
5    count = 0
6
7    for i in range(10):
8        guess = random.randint(1, 10)
9        pick = random.randint(1, 10)
10
11       if(guess!=pick):
12           count+=1
13           l.append(count)
14       else:
15           count-=1
16           l.append(count)
17
18   plt.plot(l)
19   plt.show()
```

○ The graph will go up when guess and pick are the same.

○ The graph will go down when guess and pick are the same.

○ The graph will go up when guess and pick are not the same.

◉ Both B and C

Yes, the answer is correct.
Score: 1

Accepted Answers:
Both B and C

7) What does NLTK do?   *1 point*

◉ Helps to work with human language data.

○ Helps to convert machine data into human language.

○ Helps to work on gibberish language.

○ Helps to translate dog language into human language.

Yes, the answer is correct.
Score: 1

Accepted Answers:
Helps to work with human language data.

8) What is the output of the following code?   *1 point*

```
1    string = 'hey!there'
2
3    a = sorted(string)
4    a.reverse()
5
6    print(a)
```

○ ['!', 'e', 'e', 'e', 'h', 'h', 'r', 't', 'y']

○ ['h', 'e', 'y', '!', 't', 'h', 'e', 'r', 'e']

◉ ['y', 't', 'r', 'h', 'h', 'e', 'e', 'e', '!']

○ None of the above

Yes, the answer is correct.
Score: 1

Accepted Answers:
['y', 't', 'r', 'h', 'h', 'e', 'e', 'e', '!']

9) While converting an image into black and white during enhancement you cannot   **1 point**
convert it back into a colored image.

○ True

◉ False

Yes, the answer is correct.
Score: 1

Accepted Answers:
False

10) How does vader help in sentiment analysis?   **1 point**

○ It calculates whether the statement is negative, positive or neutral.

○ It takes care of the intensity of a statement.

◉ Both A and B

○ None of the above

Yes, the answer is correct.
Score: 1

Accepted Answers:
Both A and B