

<https://swayam.gov.in>https://swayam.gov.in/nc_details/NPTEL

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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » The Joy of Computing using Python (course)Course
outlineAbout NPTEL
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NPTEL online
course work?
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Week 0 ()

Week 1 ()

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Week 8: Assignment 8

Your last recorded submission was on 2024-09-07, 20:22 IST Due date: 2024-09-18, 23:59 IST.

1) Which of the following is a valid way to create a tuple in Python?

1 point

☐ `t = [1, 2, 3]`☒ `t = (1, 2, 3)`☐ `t = {1, 2, 3}`☒ `t = 1, 2, 3`

2) Which of the following operations is valid on a tuple?

1 point

☐ `t[1] = 4`☐ `t.append(4)`☒ `t = t + (4,)`☐ `del t[1]`

3) What will the following code output?

1 point

```
t = [1, 2, 3]
print(type((t,t)))
```

☐ `< class 'list' >`☐ `< class 'set' >`☒ `< class 'tuple' >`☐ Error

☐ Tuples- Python Data Structure (unit? unit=165&lesso n=166)

☐ Lottery Simulation - Profit or Loss (unit? unit=165&lesso n=167)

☐ Lottery Simulation - Profit or Loss - Part 01 (unit? unit=165&lesso n=168)

☐ Lottery Simulation - Profit or Loss - Part 02 (unit? unit=165&lesso n=169)

☐ Lottery Simulation - Profit or Loss - Part 03 (unit? unit=165&lesso n=170)

☐ Lottery Simulation - Profit or Loss - Part 04 (unit? unit=165&lesso n=171)

☐ Lottery Simulation - Profit or Loss - Part 05 (unit? unit=165&lesso n=172)

☐ Lottery Simulation - Profit or Loss - Part 06 (unit? unit=165&lesso n=173)

4) What is the primary purpose of the **matplotlib.pyplot** module in Python?

1 point

- ☐ To perform matrix operations.
- ☐ To handle file I/O operations.
- ☒ To generate and customize visualizations like plots and graphs.
- ☐ To manipulate and process images.

5) Which of the following statements is true about anagrams?

1 point

- ☐ Two strings of different lengths can be anagrams.
- ☐ Two strings are anagrams if they contain the same characters in the same order.
- ☒ Two strings are anagrams if they contain the same characters in different orders.

6) Every character, whether an alphabet, digit, or special character, has an ASCII value. Which of the following methods is used to find the ASCII value ? 1 point

- ☐ ASCII('a')
- ☒ ord('a')
- ☐ int('a')
- ☐ ASC_val('a')

7) Which of the following libraries is commonly used to determine the intensity of emotions in sentiment analysis?

1 point

- ☒ VADER
- ☐ Numpy
- ☐ Pandas
- ☐ SciPy

8) Which of the following Python code snippets correctly checks if two strings are anagrams?

1 point

- ☒

```
def are_anagrams(str1, str2):  
    return sorted(str1) == sorted(str2)
```
- ☐

```
def are_anagrams(str1, str2):  
    return set(str1) == set(str2)
```
- ☐

```
def are_anagrams(str1, str2):  
    return str1 == str2[::-1]
```
- ☐

```
def are_anagrams(str1, str2):  
    return len(str1) == len(str2)
```

9) Why is gambling generally a bad decision ?

- ☒ Because you will lose more money than you win over time.



☐ Image Processing - Enhance your images (unit? unit=165&less n=174)

☐ Image Processing - Enhance your images - Part 01 (unit? unit=165&less n=175)

☐ Image Processing - Enhance your images - Part 02 (unit? unit=165&less n=176)

☐ Image Processing - Enhance your images - Part 03 (unit? unit=165&less n=177)

☐ Anagrams (unit? unit=165&less n=178)

☐ Anagrams - Part 01 (unit? unit=165&less n=179)

☐ Anagrams - Part 02 (unit? unit=165&less n=180)

☐ Anagrams - Part 03 (unit? unit=165&less n=181)

☐ Facebook Sentiment Analysis (unit?

- ☐ Because the probability of winning is always 0.
- ☐ Because you will always win.
- ☐ Because the amount of money you can win is always greater than the amount you lost over time

10) True or False: A significant amount of information can be extracted from an image by applying the appropriate image enhancement techniques **1 point**

- ☒ True
- ☐ False

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

Submit Answers

