**PYTHON STRINGS ASSIGNMENT (QUESTIONNAIRE)**

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**ROLL:51**

**1.What are the advantages of using slice of strings?**

**Ans:** The advantages of using slice of strings are as follows:

1. It can be used to find substrings of a main string.
2. It can also be used to reverse a string.

**2. Can you directly replace a character in string just by assigning? If not, state the reason. Also give the solution.**

**Ans:** Python strings are immutable ie they cannot be modified. Hence a character in a string cannot be replaced just by assigning another character in it’s place.

Instead we can using string slicing to achieve the desired result.

For example : str= ‘abcd’

To replace ‘b’ in the string with ‘f’ we use string slicing.

str= str[ :1] + ‘f’ + str[2:]

Output: afcd

**3. What is the use of negative index?**

**Ans:** Sequences in Python are indexed and it consists of both positive and negative numbers. The numbers using positive indices like for example ‘0’ and ‘1’ indicate the first and second index respectively. Similarly for negative index ‘-1’ and ‘-2’ represents the last and penultimate index respectively.

For example: In str= ‘Python’

str[1]= ‘y’

str[-1]= ‘n’