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CSE 2nd Year 3rd Sem

**Questionnaires**

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

Ans- As Strings is a sequential data type, it can be indexed as other sequential data types like list, tuples, etc. Indexing begins at 0. But there are situations when we require a range of characters. In this situation, slicing comes handy as slicing allows us to extract a substring from the original string.

2. Can you directly replace a character in string just by assigning? If not,

state the reason. Also give the solution.

Ans- No, we cannot directly replace the character of the string just by assigning because Python does not support a character type, these are treated as strings of length one, thus also considered a substring.

Solution: We can do this in two ways. Converting string to list, replacing character and then converting list to string or replacing the element with other element using inbuilt function.

METHOD 1:

s = “Hi Son” #string declaration

s = list(s) # string is converted to list.

print(s) # output: ['H', 'i', ' ', 'S', 'o', 'n']

s[3] = 's' # ’S’ is replaced with ‘s'.

s = “".join(str, s) #list s is converted to string s.

print(s) #output: Hi son

METHOD 2

s = “Hey jack" #string declaration.

s = s.replace('j', ‘J') # ’j’ is replaced with ‘J'.

print(s) #Output: Hey Jack

3. What is the use of negative index?

Ans- The negative index is used to remove any new-line spaces from the string and allow the string to except the last character that is given as S[:-1]. The negative index is also used to show the index to represent the string in correct order

**OUTPUTS**

**Q1**

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**Q2**

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**Q3**

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