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CSE 2nd Year

Roll-56

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: There are two different methods to do this. Converting string to list, replacing character and then converting list to string. Replace the element with other element using inbuilt function.

Let's start with first method. Here I'll mention the code which can be used in this question.

s = “ Hi Dear " #string declaration

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

print(s) # output: ['H', 'i', ' ', 'D', 'e', 'a', 'r']

s[3] = 'd' #’D’ is replaced with ‘d'.

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

print(s) #output: Hi dear. Let's see it with next method.

s = “Hey jack" #string declaration.

s = s.replace('k', K') #’e’ is replaced with ‘E'.

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