

Class Test -01 | CO 1 | Marks: 20 | Time: 20 Minutes | Spring 2024 | Section: A

Department of Architecture

CSE 309: Object Oriented Programming II: Visual and Web Programming

Full Name:

ID:

1. Write a Python function **unique_common_elements** that takes two lists as parameters and returns a list of the unique common elements between them. 10

Answer:

2.

10

Write a Python function `remove_duplicates` that takes a string as input and returns a new string with all duplicate characters removed, preserving the original order of the first occurrences of each character.

***Note converting it into a set will not preserve the order.**

Answer:

Class Test -01 | CO 1 | Marks: 20 | Time: 20 Minutes | Spring 2024 | Section: B

Department of Computer Science and Engineering
CSE 309: Object Oriented Programming II: Visual and Web Programming

Full Name:

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1. Write a Python function that takes a string as an argument and returns True if the given string is a palindrome else it returns false. 8

Answer:

2. Write a Python function **student_average** that takes a student's name and a list of marks he got in **N** courses as input and returns a formatted string indicating the student's average mark. If the name is not provided, the function should return a generic statement about the average mark. **Remember a student can have a valuable number of courses.**

12

Here is the sample input and output:

```
function([10,20,30], 'Alif')
```

```
>> function returns "Alifs average mark is 20"
```

```
function ([10,20])
```

```
>> function returns "students average mark is 15"
```

Answer: