**GIT Department of Computer Engineering**

**CSE 222/505 - Spring 2022**

**Homework # Report**

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1. **SYSTEM REQUIREMENTS**

User:

In Question 1:

Must set long string’s and short string’s size.

Must fill long string and short string.

Must enter occurrence value.

In Question 2:

Must set an array with sorted integers.

Must enter one big,one small number.

In Question 3:

Must set an array with unsorted integers.

Must give a temp array to store sub array values.

Must set a number for searching sub arrays.

Must give a sum value to store sum.

Must give I value to compare arrays.

In Question 4:

Must give 2 integer values and one of them must be bigger than 10.

In Question 5:

Must set array with ‘–‘ character.

Must enter length of block.

Must give position and start position.

1. **PROBLEM SOLUTION APPROACH**

In 1st question:

I made a base case recursive function.With this case I can finish recursive statement.User sent a count value for strings.When small string became equal to big string,I decreased count.When count become 0, then I return value at that occurrence of the string.

In 2nd question:

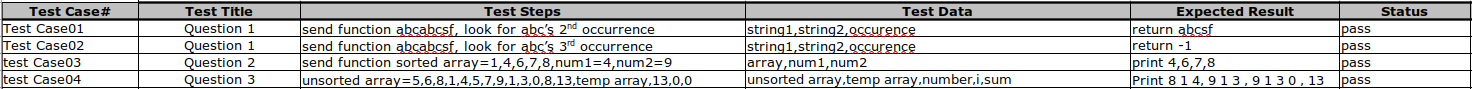
I approached with binary search algorithm. When the two number is bigger than mid number or when the two number is smaller than mid number, I deleted rest of array.Then in between part, I called recursive function for every element of array.

In 3rd question:

I send an empty array too to function.I keep original array’s values in temp array until reach the sum value.If sub array’s sum become bigger than sum value,I make empty temp array and call recursive function again without first number of array until the end of array.If the temp array’s sum equal to sum value, I print temp array’s values.

In 5th question:

1. **TEST CASES**



1. **RUNNING AND RESULTS**

