

## CSE 222 ALGORITHMS LAB TEST

Section: 3 G1

Spring 22, SoSET, EDU

TIME: 20min

1. Write a C code to find out how many unique digits are there in your Student ID and show the output.

**Example:**

**I/P:** Input 4 elements in the array :

element - 0 : 3

element - 1 : 2

element - 2 : 2

element - 3 : 5

**O/P:** The unique elements found in the array are:

3 5

2. Write a C code to find out whether your Student ID is a Palindrome number or not using Two functions except main().

Hint: The process to check number is a palindrome number or not,

1) Take a number

2) Find the reverse of the number

3) If reverse and the actual number is the same then it a palindrome number

4) Else it is not a palindrome number

**I/P:** Enter the number: 1234

**O/P:** 1234 is not a palindrome number.

3. Write a C code to find out whether your Student ID is Prime or not using Recursion and show the output.
4. Write a C code to find out the amount of 0's in your Student ID using *if else if* ladder and show the output.