

SSN

# Green University of Bangladesh

Time: 1 hour  
Marks: 30

## Department of CSE Lab Final Examination, Fall 2023

Course Code:  
CSE 304  
Section: 221 D14

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| 1. | Imagine you're tasked with developing an assembly language program to count the occurrences of a specific character within a provided string input. The program should accept a string of characters and determine the frequency of the specified character within that string. Now, Write a program that can accept a string of characters as input from the user, prompt the user to enter the character whose occurrences need to be counted, and then count and display the number of times the specified character appears within the string. | 10 |
| 2. | You're tasked with developing an assembly language program to create a simple calculator. The program should allow users to perform addition and subtraction operations on two numbers.  | 10 |
| 3. | You're developing an assembly language program to verify whether a given string is a palindrome or not. Palindromes are sequences of characters that read the same forwards and backward when disregarding spaces, punctuation, and capitalization. So write a program that accepts a string of characters as input, verify if the entered string is a palindrome, and display a message indicating whether the string is a palindrome or not. You have to use <b>Macro</b> to solve the problem.  | 10 |
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