Noakhali Science and Technology University
Course Title: Structured Programming Language Lab
Course Code: CSTE-1202

LAB-5: Strings

1. Write programs to implement the following built-in functions:
   strlen
   strrev
   strcpy
   strcat
   strcmp
   strstr
2. A line of text is taken as input from the keyboard; you have to write a program to print out how many vowels are in the text and how many consonants.
3. Write a program that reads a string from the keyboard and determines whether the string is palindrome or not.
4. Write a program that reads two strings from the keyboard and show the output according to the following rules:
   i)   if two are equal print any of them
   ii)   if two are unequal add second string to the first and print the combined string
5. Write a program in C to convert a line of text to uppercase.
6. Take a line of text as input. Find the occurrence of each character in the given text.
7. Write a program that reads a number between 1 and 999 from user and spells out it in English.

   For example:

   453   → Four hundred fifty three

   37   → Thirty seven

   204   → Two hundred four