Q1 Write a C++ program to input any string and count number of uppercase, lowercase, vowel and digit characters in a given string.

Q2 Write a C++ program to input any string and arrange all characters in following order.

Digit + Uppercase + Lowercase + Special Characters

Sample Example:

Input: GrAphic567E#@RA

Output: 567GAERArphic#@

Q3 Write a C++ Program to input any string and count the number of occurrence of each Character.

Sample Example:

INFORMATION TECHNOLOGY

I=2

N=3

F=1

O=4

R=1

M=1

A=1

T=2

E=1

C=1

H=1

L=1

G=1

Y=1

Q4 Write a C++ program to accept a string. Display the new string after reversing each character of the word.

Input: New Delhi is the capital of India

Output: weN ihleD si eht latipac fo aidnI

Q5. Write a program to input a sentence and display only those words which begin and end with vowel.

Q6 Write a program to accept a word and convert it into lower case, if it is in upper case. Display the new word by replacing only the vowels with the letter following it.

Sample Input : computer

Sample Outpur : cpmpvtfr

Q7 Write a program to input a sentence and display only those words which are in palindrome.

Q8 Write a program to accept a word and convert letter into lower case, if it is in upper case and vise versa.

Sample Input :COmpUtER

Sample Outpur : coMPuTer