

## PRACTICE QUESTIONS – STRING MANIPULATION

1. Write a program to read a string from the user and to count the number of vowels and consonants.  
[Hint : alphabets which are not vowels are consonants]
2. Write a program to read a string from the user and to count the number of words.  
[Hint : No of words = No of Spaces +1]
3. Write a program to read a string from the user and to check if the string is a palindrome.  
Example : madam is a palindrome because whether you read the letters from the beginning to the end or from the end to the beginning , it is the same.
4. Write a program to read a string from the user and to count the words beginning with "A/a".
5. Write a program to read a string from the user and to count the words ending with "A/a".
6. Write a program that reads a mobile number as a string from the user and checks if it is a valid number. The number is valid if it is in the following format cccc-nnnnnnnnnn where c is the 4 digit country code and n is the 10 digit mobile number.
7. Write a program that reads a 8 character password from the user and says it is valid if it has at least one uppercase character, lowercase character, digit and special character.
8. Write a program to read a string from the user and to display all four lettered words in the string.
9. Write a program to read a string from the user and to reverse each word of the string.