String

1. Write a program to accept a **Lower case string** and convert into **Upper case String**.
   Input: programming   Output: PROGRAMMING

2. Write a program to accept a **Upper case string** and convert into **Lower case String**.
   Input: PROGRAMMING Output: programming

3. Write a program to accept a string and count the number of the **Vowels present in the string**.
   Output: shib shankar. The number of vowels=3

4. Write a program to accept a string and count the **length of the string**.
    Output: Hello   String length is: 5

5. Write a program to accept a character and check the case **(Upper/lower)** otherwise check whether it is a **digit or a special character.**
 Output: Enter a character
        B
        B is a UPPER CASE LETTER.

6. Write a program to enter an alphabet. Display the new alphabet and its **ASCII code** after changing the case. Input: b Output: B   ASCII value of B is = 98

7. Write a program to **reverse or mirror image** the entered string.
    Input: COMPUTER   Output: RETUPMOC

8. Write a program to accept a string and check **Palindrome or not.**
    Example. MOM, MADAM, DAD etc.

9. Write a program to accept a string in lower case and **replace 'm' with 'n' in given the string**.
Display new String. Input: programming   Output: progranning

10. Write a program to accept a string and input a char value at the given **index number.**
Input: SHIB   Enter the Index number=3   Output: I

11. Write a program to accept a **Lower case string** and convert into **Upper case String** without using string function/ using **ACSII code**.

12. Write a program to accept a **Upper case string** and convert into **Lower case String** without using string function / using **ACSII code.**

13. Write a program to **reverse or mirror image** the entered string without using string function.

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14. Write a program to accept a string and count the number of the **Vowels and consonants** present in the string.

15. Write a program to accept a string and find : i) number of **blank spaces** in the string ii) number of **words** in the string iii) number of **characters present** in the string.

16. Write a program to enter a string and change the **case of each alphabet** of the string. **Input:** Programming Beginner To Advanced **Output:** pROGRAMMING bEGINNER tO aDVANCED

17. Write a Program to input name, middle name and surname of a person and **print only the initials. Input:** Shib Shankar Ghosh **Output:** S.S.G.

18. Write a program to accept a word and display the **ASCII of each character.**
    Input: BLUEJ
    Output: ASCII of B = 66
                    ASCII of L = 75
                    ASCII of U = 84
                    ASCII of E = 69
                    ASCII of J = 73

19. Write a program to accept a String in lower case and **replace 'e' with '*'** in the given string **without** using string **replace function**.
Input: computer science Output: comput*r sci*nc*

20. Write a program to accept a string and display :
        1. The number of **lower case** characters
        2. The number of **upper case** characters
        3. The number of **special** characters.
        4. The number of **digits** present in the string.
        Input: S.T.D code of New Delhi – 011
        Output:
        The number of lower case characters=12
        The number of upper case characters=5
        The number of special characters=9
        The number of digits present in the string=3

21. Write a program to accept a word/ String and display the new string **after removing all the vowels** present in it.
Input: COMPUTER APPLICATIONS
Output: CMPTR PPLCTNS.

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22. Write a program to accept a string and display the number of upper case , number of lowercase, number of special character and number of digits present in the string **without use string functions.**

23. Write a program to accept a string (**containing three words**) and display the same in reverse order**. Input: computer is fun Output: fun is computer.**

24. Write a program to accept a string **(containing three words)** and display the new string after reversing each character of the word. Input: India is my country Output: aidnI si ym yrtnuoc

25. Write a program in Java to accept a String and find the frequency of a word entered by the user in a String. However, the word should not be part of a String.
Input : the quick brown fox jumps over the lazy dog.
Frequency of the word to be searched : the
Output= 2

26. Consider the following statement :
"January 26 is celebrated as the Republic Day of India "
Write a program to change **26 to 15, January to August, Republic to Independence** and finally print "August 15 is celebrated as the Independence Day of India"

27. Write a program to accept a word and check whether the word is **palindrome or not without using string reverse function** . Example : madam, mom , dad. A word is said to Palindrome, if the new word formed after reversing the alphabets is same as the original word.

28. Write program to accept a word and display the same in **Pig Latin from.**
To translate a word into a Pig latin word, convert the word into uppercase and then place the first vowel of the original word as the start of the new word along with the remaining alphabets. The alphabets present before the vowel being shifted towards the end followed by "AY".
Input : London   Output : ONDONLAY
Input : Olympics   Output: OLYMPICSAY
Input : trouble   Output: oubletray
Pig Latin= A word is said to be Pig Latin which is obtained by framing a new word with the first vowel present in the word with remaining "letters" present before the first vowel and ended with 'ay'.

29. Write a program enter a string . Print the **string in alphabetical order** of its alphabets.
Input : COMPUTER Output: CEMOPRTU

30. Write a program to accept a String in lower case. Convert all the first characters of String in Upper case and display the new String. Input: programming beginner to advanced
Output: Programming Beginner To Advanced

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31. Write a program to accept a name(containing three words) and display the initials along with the surname. Input: Shib Shankar Ghosh Output: S.S.Ghosh

32. Raj Kishore is an Assistant in the office. He has the habit of writing the names of an employee by eliminating the middle name 'KUMAR'. Write a program to accept the names and insert the middle name 'KUMAR' and display the full name. Consider that name of an employee contains three words. Input: DILIP DEY Output: DILIP KUMAR DEY

33. Write a program to accept two different characters and display the sum and difference of their ASCII values . Input : B Input: d Output: Sum of ASCII values=165,Difference of ASCII value=35

34. Write a program to input an alphabet in upper case or in lower case. Display the next alphabet accordingly. (i.e: 'a' follows 'b',……… 'z' follows 'a')

35. Write a program to a word/string. Count all alphabets excluding vowels present in the word/string and display the result. Input: Happy New Year Output: 8

36. Write a program to accept a name(Containing three words) and display only the initials(i.e first alphabet of each word). Input: LAL KRISNA ADVANI Output: L K A

37. Write a program to accept a name containing three words and display the surname first followed by the first and middle names. Input: MOHANDAS KARAMCHAND GANDHI
Output: GANDI MOHANDAS KARAMCHAND

38. Write a program to accept a sentence and find the frequency of a given alphabet.
Input: WE ARE LIVING IN COMPUTER WORLD.
Enter an alphabet whose frequency is to be checked: E
Output: 3

39. A man has written a statement as "My name is Alok Kumar Gupta and my age is 45 years". Later on he realized that he had declared his name as Alok instead of Ashok and the age 45 instead of 35.
Write a program to correct his age in the predicted statement. Display the output : My name is Ashok Kumar Gupta and my age is 35 years.

40. Write a program to enter a string/sentence and **display the longest word** and the **length of the word** present in the String. Input: TATA FOOTBALL ACADEMY WILL PLAY AGAINST MOHAN BAGAN. Output: The longest word: FOOTBALL . Length: 8

41. Write a program to accept a string (**containing three words**) and display the same in reverse order without using string function**. Input: computer is fun Output: fun is computer.**

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42. Write a program to sort string characters without using predefined function.

43. Write a program to copy string without using predefined function.

44. Write a program to compare two strings without using predefined function.

45. Write a programming to convert vowels into upper case character in a given string.

46. Write a programming to count of each character in a given string.

47. Write a programming to find the repeated character in a given string. Input: papai Output: a

48. Write a program to split string by space into words. Input: this is a string
Output:
this
is
a
test
string

49. Write a program to read a file and remove the spaces between two words of its content.
The content of the file is : The quick brown fox jumps over the lazy dog
After removing the spaces the content is : Thequickbrownfoxjumpsoverthelazydog

50. Write a program in C to print only the string before new line character.
Input: The quick brown fox \n jumps over the \n lazy dog.
Output: The quick brown fox

51. Write a program to count the number of punctuation characters exists in a string.
Input: The quick brown fox, jumps over the, lazy dog. Output :3

52. Write a program to replace the spaces of a string with a specific character.

53. Write a program to Concatenate Two Strings Manually {without using pre define function}

54. Write a program to remove characters in String Except Alphabets.
Input: pbainst.com Output: pbainstcom

55. Write a function called findString() to determine if one character string exists inside another string. The first argument to the function should be the character string that is to be searched and the second argument is the string you are interested in finding. If the function finds the specified string,

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have it return the location in the source string where the string was found. If the function does not find the string, have it return −1. So, for example, the call index = findString ("a chatterbox", "hat"); searches the string "a chatterbox" for the string "hat". Because "hat" does exist inside the source string, the function returns 3 to indicate the starting position inside the source string where "hat" was found.

56. Write a function called removeString() to remove a specified number of characters from a character string. The function should take three arguments: the source string, the starting index number in the source string, and the number of characters to remove. So, if the character array text contains the string "the wrong son", the call removeString (text, 4, 6); has the effect of removing the characters "wrong" (the word "wrong" plus the space that follows) from the array text. The resulting string inside text is then "the son".

57. Write a function called insertString() to insert one character string into another string. The arguments to the function should consist of the source string, the string to be inserted, and the position in the source string where the string is to be inserted.
So, the call insertString (text, "per", 10); with text as originally defined in the previous exercise, results in the character string "per" being inserted inside text, beginning at text[10]. Therefore, the character string "the wrong person" is stored inside the text array after the function returned.

58.