

Strings

1. Write a program to find the length of a string.

Sample Input

String: Daffodil

Sample Output

7

2. Write a program to compare two strings.

Sample Input

String1: Hello

String2: Hii

Sample Output

Not Same

3. Write a program to copy a string to another string. Suppose you are taking a string from the user and storing that in S1[]. Then copy the inputted string to the S2[].

Sample Input

S1: Hello

Sample Output

S2: Hello

4. Write a program to concatenate two strings.

Sample Input

String1: Hello

String2: Daffodil

Sample Output

Hello Daffodil

5. Write a program in C to count the number of letters and digits in a string.

Sample Input

String: Hello1234World

Sample Output

Letter: 10

Digits: 4

6. Write a program in C to count the number of vowels and consonants in a string.

Sample Input

String: Bangladesh

Sample Output

Vowel = 3

Consonant = 7

7. Write a program to search a given character in string.

Sample Input

String1: Premier League

Character to be Searched: r

Sample Output

Found

8. Write a c program to find the position of the first occurrence of a given character in a string.

Sample Input

String1: Premier League

Character to be Searched: r

Sample Output

First occurrences of r is at index 1

9. Write a c program all occurrences of a given character in a string.

Sample Input

String1: Premier League

Character to be Searched: r

Sample Output

Character r has been occurred 2 times

10. Write a program to find occurrences of each character in a string.

Sample Input

String1: Premier

Sample Output

P = 1 r = 2 e = 2 m = 1 i = 1

11. Write a c program to find whether a given string is palindrome or not(do not use built-in functions).

Sample Input

String1: amma

String2: amma

Sample Output

Palindrome

12. Write a c program that will convert a lowercase string to an uppercase string.

Sample Input

String1: Premier

Sample Output

pREMIER

13. Write a c program to find the number of words in a given string.

Sample Input

String1: Premier League is the best

Sample Output

5

14. Write a program, which reads your name from the keyboard and outputs a list of ASCII codes, which represent your name.

Sample Input

Name: Jhon

Sample Output

74 104 111 110

15. Write a program to do the following:
- (a) To output the question “Who is the inventor of C ?”
 - (b) To accept an answer.
 - (c) To print out “Good” and then stop, if the answer is correct.
 - (d) To output the message ‘try again’, if the answer is wrong.
 - (e) To display the correct answer when the answer is wrong even at the third attempt and stop

Sample Input

Who is the inventor of C ?

Answer: Daichine Ritchie

Sample Output

Good

16. Write a program to extract a portion of a character string and print the extracted string. Assume that m characters are extracted, starting with the nth character.

Sample Input

String: Hello Daffodil

m: 3

n: 8

Sample Output

aff

17. Write a program which will read a string and rewrite it in the alphabetical order. For example, the word STRING should be written as GINRST

Sample Input

STRING

Sample Output

GINRST

18. Write a program to replace a particular word by another word in a given string. For example, the word "PASCAL" should be replaced by "C" in the text "It is good to program in PASCAL language."

Sample Input

String: It is good to program in PASCAL language.

Sample Output

It is good to program in C language.

19. A Maruti car dealer maintains a record of sales of various vehicles in the following form:

Vehicletype	Month of sales	Price
MARUTI-800	02/01	210000
MARUTI-DX	07/01	265000
GYPSY	04/02	315750
MARUTI-VAN	08/02	240000

Write a program to read this data into a table of strings and output the details of a particular vehicle sold during a specified period. The program should request the user to input the vehicle type and the period (starting month, ending month).

Sample Input

Sample Output

20. Write a program that reads the cost of an item in the form TTTT.PP (Where TTTT denotes Taka and PP denotes Paise) and converts the value to a string of words that expresses the numeric value in words. For example, if we input 125.75, the output should be “ONE HUNDRED TWENTY FIVE AND PAISE SEVENTY FIVE”

Sample Input

125.75

Sample Output

ONE HUNDRED TWENTY FIVE AND SEVENTY FIVE

21. Develop a program that will read and store the details of a list of students in the format.

Roll No.	Name	Marks obtained
.....
.....
.....

and produce the following output list:

- (a) Alphabetical list of names, roll numbers and marks obtained.
- (b) List sorted on roll numbers.
- (c) List sorted on marks (rank-wise list)

Sample Input

Sample Output

22. Write a program to read a line of text from the keyboard and print out the number of occurrences of a given substring.

Sample Input

String: Hello Hello

Substring: ll

Sample Output

2

23. Write a program that will copy m consecutive characters from a string s1 beginning at position n into another string s2.

Sample Input

String: Batman

m = 3

n = 2

Sample Output

String2: tma

24. Write a program to create a directory of students with roll numbers. The program should display the roll number for a specified name and vice-versa.

Sample Input

Sample Output

Write a program that would count the number of digits, letters, spaces, vowels and consonants in a string.