

ⁱString length

Write a java program to find the length of the string is even or odd.

Sample Input1:

Can I change the room

Sample Output:

21 Odd

Sample Input2:

Entrepreneur

Sample Output2:

12 Even

Count of alphabets

Write a java program to count number of alphabets in a given sentence.

Sample Input1:

Salad is for rabbits

Sample Output1:

17

Sample Input2:

Dog cross# the 1st street

Sample Output2:

19

Sample Input3:

8922%

Sample Output3:

0

SubString

Write a java program to find the substring for a given range.

Sample Input1:

Superstition

5

10

Sample Output1:

stiti

String Contains

Write a java program to find the given word is contained in a given sentence or not.

Note:

- The second input is contained in the first input, then print "<second input> is contained in a sentence". Else print "<second input> is not contained in a sentence".

Sample Input1:

Creativity is always having fun

having

Sample Output1:

having is contained in a sentence

Sample Input2:

we know one of the most places

fun

Sample Output2:

fun is not contained in a sentence

Compare two strings

Write a java program to compare two strings to find which are Case sensitive/
Case insensitive/ Not equal.

Sample Input1:

Way to finished

way To FinIshed

Sample Output1:

Case insensitive

Sample Input2:

Yesterday take to much

Yesterday take to much

Sample Output2:

Case sensitive

Sample Input3:

Failure builds character

Failure builds you

Sample Output3:

Not equal

String Spilt-Up

Write a java program to split the given string.

Sample Input1:

People:Who:Are:Crazy

:

Sample Output1:

People

Who

Are

Crazy

String - Find and replace the character (First occurrence)

Write a Java program to find a character from a sentence and replace it with another character. If the character is not found in the string print "character not found".

Note: Replace only the first occurrence.

Sample input 1:

```
Enter the string:
java programming
Enter the character to be searched:
a
Enter the character to replace:
o
```

Sample output 1:

```
jova programming
```

Count the number of characters

"The kids need to clear a simple test to secure admission in the nursery class. They need to spell their name and they also need to tell the number of letters in their name. Some of the kids had very long names and the interview panel members found it time consuming to count the number of letters in the name.

One of the panel members has just started to learn programming and she decided to write a Java program to count the number of characters in the name. Can you help her out in this task?

Note: The input, name can have only alphabets and space. If it holds any other character then it should display "Invalid input".

Sample Input 1:

Enter your name:

Akshaya

Sample Output 1:

Akshaya has 7 characters

Sample Input 2:

Enter your name:

Anitha1

Sample Output 2:

Invalid input

Count occurrence of a character

Raji wants to count the no of occurrences of the given character. Write a program to accept a word from the user. Get a character from the user and find the no of occurrences .

Check whether the given character and word is valid

The word is valid if it contains only alphabets and no space or any special characters or numbers.

The character is valid if it is an alphabet alone.

Sample Input 1:

Enter a word:

programming

Enter the character:

m

Sample Output 1:

No of 'm' present in the given word is 2.

Sample Input 2:

Enter a word:

programming

Enter the character:

s

Sample Output 2:

The given character 's' not present in the given word.

Sample Input 3:

Enter a word:

56

Sample Output 3:

Not a valid string

Sample Input 4:

Enter a word:

Hello

Enter the character:

6

Sample Output 4:

Given character is not an alphabet

String Concatenation

The authority of XYZ gated residential colony wants its residents' name datum Should be stored in the following format - residents' name <space> his/her father's name. Write a program to concat the father's name to the residents' name. The name should be validated, on validation the name should contain only alphabets and space is allowed. If the name is not valid display the message "Invalid name". If valid string then convert it to uppercase and print it..

[Use concat(String s) of the String class.]

Sample Input 1:

Inmate's name:Aron

Inmate's father's name:Terby

Sample Output 1:

ARON TERBY

Sample Input 2:

Inmate's name:Mary Anto

Inmate's father's name:Jose

Sample Output 2:

MARY ANTO JOSE

Sample Input 3:

Inmate's name:Dev12

Inmate's father's name:Terby

Sample Output 3:

Invalid name

Length of String

A test conducted by an IT corporate requires two participants. One of them will provide his/her opponent with a long text. The opponent must code and find the no of characters in the string. The string should be validated , spaces are allowed between the string. If valid Sting is provided then find the length of the string .If the string is invalid then display the message "Invalid String". So help him/her code the logic in Java for the same.

[Use length() of the String class.]

Sample Input 1:

She sells seashells on the seashore

Sample Output 1:

No of characters is:35

Sample Input 2:

hi @ welcome

Sample Output 2:

Invalid String

PAN Card Validation

Write a program to check the PAN card no is valid or not. Generally a PAN no is a mix of both numbers and alphabets. It should have exactly 10 characters, in which, the first 5 characters should be upper case, the next 4 should be numbers, and last one should be an upper case character. If the PAN no doesn't match the pattern print "Invalid PAN no".

Sample Input 1:

Enter the PAN no:
ASDFG7896K

Sample Output 1:

Valid PAN no

Sample Input 2:

Enter the PAN no:
7896ABC8K

Sample Output 2:

Invalid PAN no

Print unique characters

Write a program to print all the unique characters in a given sentence.

The sentence should have only alphabets .

If the sentence is not valid display the message "Invalid Sentence".

If unique characters are not found print "No unique characters".

If unique characters are found print those characters as shown in sample output.

Sample Input 1:

Enter the sentence:

java is an object oriented programming language

Sample Output 1:

Unique characters:

v
s
b
c
d
p
l
u

Sample Input 2:

Welcome to 12house

Sample Output 2:

Invalid Sentence

InitCap

Write a program to convert the first character of each word in a sentence to uppercase.

If the first character of each word in the given sentence is already in upper case, then print "First character of each word is already in uppercase".

Sample Input 1:

Enter the String:

Work hard to get what you like

Sample Output 1:

Work Hard To Get What You Like

Sample Input 2:

Enter the String:

Work Hard To Get What You Like

Sample Output 2:

First character of each word is already in uppercase

Palindrome

Astrologist believes that having a palindromic name is very auspicious . As we all know, a palindrome is a word that can be read the same way in either direction. There should not be a space or any special character in the word entered. If yes, display "Invalid Input". Write a Java program to determine whether a given word is a palindrome or not.

Sample Input 1:

Enter the word :

Malayalam

Sample Output 1:

Malayalam is a Palindrome

Sample Input 2:

Enter the word :

Apple

Sample Output 2:

Apple is not a Palindrome

Sample Input 3:

Enter the word :

no on

Sample Output 3:

Invalid Input

Sample Input 4:

Enter the word :

@nnn

Sample Output 4: Invalid Input

Find and Replace

Polymens a famous news editor, has daily responsibility of deciding which news stories are printed in the paper. Before that he wants to verify all the words are spelled in a right way. Incase of any misspelled word found, he has to replace it throughout the document without any fail. Polymens needs an application to make his find and replace job easier.

Implement the given scenario and code accordingly. Refer the samples for read and display the data.

[Search and replace should be case sensitive. Input can contain words separated by space and full stop.]

Sample Input 1:

Enter the string:

Have a good day

Enter the word to be searched:

good

Enter the word to be replaced:

nice

Sample Output 1:

Have a nice day

Sample Input 2:

Enter the string:

Have a good day

Enter the word to be searched:

nice

Enter the word to be replaced:

nice

Sample Output 2:

The word nice not found

Sample Input 3:

Enter the string:

Google PlayStore is a digital distribution service operated and developed by Google.

Enter the word to be searched:

Google

Enter the word to be replaced:

Yahoo

Sample Output 3:

Yahoo PlayStore is a digital distribution service operated and developed by Yahoo.