**Java Program to find duplicate Characters in a String**

[**JAVA EXAMPLES**](http://beginnersbook.com/category/java-examples/)

This program would find out the duplicate characters in a String and would display the count of them.

import java.util.HashMap;

import java.util.Map;

import java.util.Set;

public class Details {

public void countDupChars(String str){

//Create a HashMap

Map<Character, Integer> map = new HashMap<Character, Integer>();

//Convert the String to char array

char[] chars = str.toCharArray();

/\* logic: char are inserted as keys and their count

\* as values. If map contains the char already then

\* increase the value by 1

\*/

for(Character ch:chars){

if(map.containsKey(ch)){

map.put(ch, map.get(ch)+1);

} else {

map.put(ch, 1);

}

}

//Obtaining set of keys

Set<Character> keys = map.keySet();

/\* Display count of chars if it is

\* greater than 1. All duplicate chars would be

\* having value greater than 1.

\*/

for(Character ch:keys){

if(map.get(ch) > 1){

System.out.println("Char "+ch+" "+map.get(ch));

}

}

}

public static void main(String a[]){

Details obj = new Details();

System.out.println("String: BeginnersBook.com");

System.out.println("-------------------------");

obj.countDupChars("BeginnersBook.com");

System.out.println("\nString: ChaitanyaSingh");

System.out.println("-------------------------");

obj.countDupChars("ChaitanyaSingh");

System.out.println("\nString: #@$@!#$%!!%@");

System.out.println("-------------------------");

obj.countDupChars("#@$@!#$%!!%@");

}

}

Output:

String: BeginnersBook.com

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Char e 2

Char B 2

Char n 2

Char o 3

String: ChaitanyaSingh

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Char a 3

Char n 2

Char h 2

Char i 2

String: #@$@!#$%!!%@

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Char # 2

Char ! 3

Char @ 3

Char $ 2

Char % 2