

Duplicate Character from String and Count

EX: 1

```
package com.DuplicateCharacters;
import java.util.HashMap;
import java.util.Map;
import java.util.Set;
public class DuplicateCharacters {
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        printDulicateCharacters("A");
        printDulicateCharacters("");
        printDulicateCharacters(null);
        printDulicateCharacters("katherine langford");
        printDulicateCharacters("tesla");
        printDulicateCharacters("1000");
        printDulicateCharacters("007 james bond");
    }
    public static void printDulicateCharacters(String str)
    {
        if(str==null){
            System.out.println("NULL String");
            return;
        }
        if(str.isEmpty()){
            System.out.println("Empty String");
            return;
        }
        if(str.length()==1){
            System.out.println("Single Character String");
            return;
        }
        char words[]=str.toCharArray();
        HashMap<Character, Integer> charMap=new HashMap<Character, Integer>();
        for(Character ch: words){
            if(charMap.containsKey(ch)){
                charMap.put(ch, charMap.get(ch)+1);
            }
            else{
                charMap.put(ch, 1);
            }
        }
        // Print the map
        Set<Map.Entry<Character, Integer>> entrySet =charMap.entrySet();
        for(Map.Entry<Character, Integer> entry: entrySet){
```

```

        if(entry.getValue()>1){
            System.out.println(entry.getKey()+" : "+entry.getValue());
        }
    }
}

```

Example: 2

class FindDuplicateElements1

```

{
    public static void main(String[]args)
    {
        String st="katherine langford";
        int length=st.length();
        char ch[]=st.toCharArray();
        for(int i=0; i<length; i++)
        {
            for(int j=i+1; j<length; j++)
            {
                if(ch[i]==ch[j])
                {
                    System.out.println("Duplicate Characters are: "+ ch[j]);
                }
            }
        }
    }
}

```

Example: 3

```
{  
  
    public static void main(String[] args)  
  
    {  
  
        int a[]={2,3,3,6,7,6,5,2,6};  
  
        System.out.print("Duplicate values are: ");  
  
        for(int i=0; i<a.length-1; i++)  
  
            {  
  
                for(int j=i+1; j<a.length; j++)  
  
                    {  
  
                        if((a[i]==a[j])&&(i!=j))  
  
                        {  
  
                            System.out.print(a[j]+" ", );  
  
                        }  
  
                    }  
  
            }  
  
        }  
  
    }
```