

How to find the first non repeated character of a given String

```
import java.util.*;

public class GFG {

    static final int NO_OF_CHARS = 256;

    static char count[] = new char[NO_OF_CHARS];

    static void getCharCountArray(String str)
    {
        for (int i = 0; i < str.length(); i++)
            count[str.charAt(i)]++;
    }

    static int firstNonRepeating(String str)
    {
        getCharCountArray(str);

        int index = -1, i;

        for (i = 0; i < str.length(); i++) {
            if (count[str.charAt(i)] == 1) {
                index = i;
                break;
            }
        }

        return index;
    }
}
```

```

public static void main(String[] args)
{
    Scanner sc=new Scanner(System.in);

    System.out.println("enter string : ");

    String str =sc.next() ;

    int index = firstNonRepeating(str);

    System.out.println(

        index == -1

            ? "Either all characters are repeating or string "

            + "is empty"

            : "First non-repeating character is "

            + str.charAt(index));

}
}

```

The screenshot shows a web browser window with the URL `jdoodle.com/online-java-compiler/`. The page contains a Java code editor on the left and a control panel on the right. The code in the editor is as follows:

```

1 import java.util.*;
2 public class GFG {
3     static final int NO_OF_CHARS = 256;
4     static char count[] = new char[NO_OF_CHARS];
5     static void getCharCountArray(String str)
6     {
7         for (int i = 0; i < str.length(); i++)
8             count[str.charAt(i)]++;
9     }
10    static int firstNonRepeating(String str)
11    {
12        getCharCountArray(str);
13        int index = -1, i;
14
15        for (i = 0; i < str.length(); i++) {
16            if (count[str.charAt(i)] == 1) {
17                index = i;
18                break;
19            }
20        }
21
22        return index;
23    }
24
25    public static void main(String[] args)
26    {
27        Scanner sc=new Scanner(System.in);
28        System.out.println("enter string : ");
29        String str =sc.next() ;
30        int index = firstNonRepeating(str);
31
32        System.out.println(
33            index == -1
34                ? "Either all characters are repeating or string "
35                + "is empty"
36                : "First non-repeating character is "
37                + str.charAt(index));
38    }
39 }
40

```

The right panel shows the execution settings: JDK 11.0.4, Command Line Arguments, and an Interactive mode checkbox. The **Execute** button has been clicked. The result section shows the output of the program:

```

enter string :
haihellofriends
First non-repeating character is a

```

The bottom of the image shows a Windows taskbar with the date 6/13/2020 and time 11:45 AM.