
HASH AGILE DRIVE – First Round Programming Challenge

HATFD1015

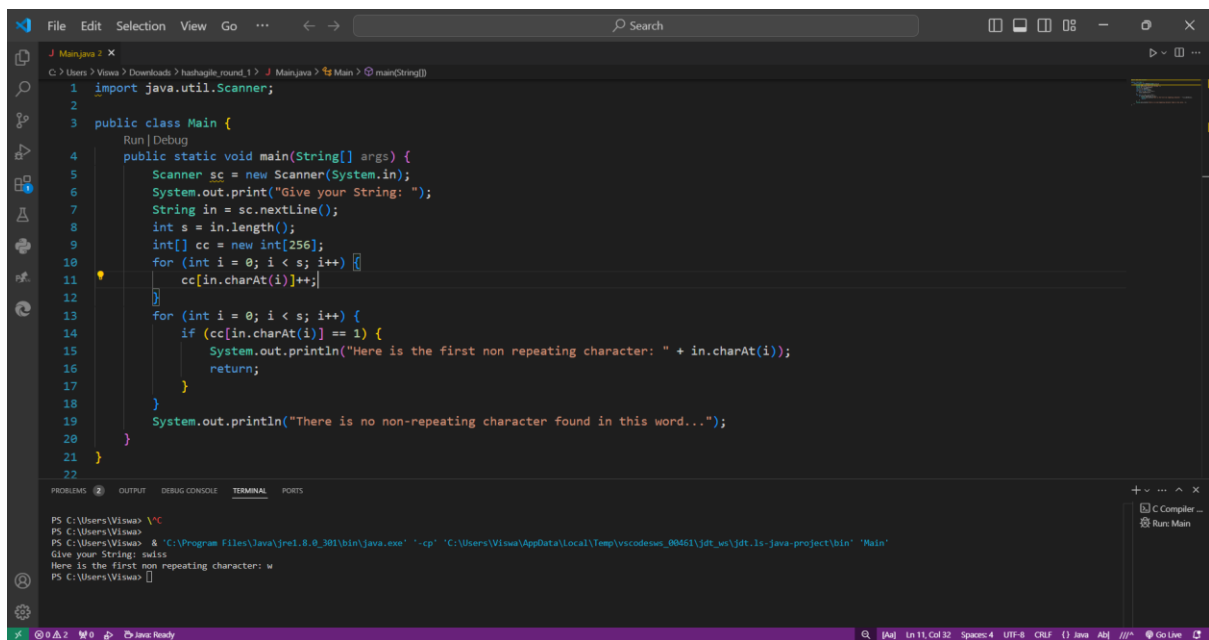
- Find the First Non-Repeating Character Write a program to find the first non-repeating character in a string.
 - For input "swiss", the output should be "w".
 - You cannot use any built-in string or character frequency counting functions.
 - Instructions: Implement manual string traversal and counting logic to solve the problem.
-

Answer:

```
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Give your String: ");
        String in = sc.nextLine();
        int s = in.length();
        int[] cc = new int[256];
        for (int i = 0; i < s; i++) {
            cc[in.charAt(i)]++;
        }
        for (int i = 0; i < s; i++) {
            if (cc[in.charAt(i)] == 1) {
                System.out.println("Here is the first non repeating character: " + in.charAt(i));
                return;
            }
        }
        System.out.println("There is no non-repeating character found in this word...");
    }
}
```

Screenshots:



```
1 import java.util.Scanner;
2
3 public class Main {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6         System.out.print("Give your String: ");
7         String in = sc.nextLine();
8         int s = in.length();
9         int[] cc = new int[256];
10        for (int i = 0; i < s; i++) {
11            cc[in.charAt(i)]++;
12        }
13        for (int i = 0; i < s; i++) {
14            if (cc[in.charAt(i)] == 1) {
15                System.out.println("Here is the first non repeating character: " + in.charAt(i));
16                return;
17            }
18        }
19        System.out.println("There is no non-repeating character found in this word...");
20    }
21 }
22 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\Wiswa> C:\Program Files\Java\jdk-8.0.381\bin\java.exe -cp "C:\Users\Wiswa\AppData\Local\Temp\vscodeses_00451\jdt_ws\jdt.ls-java-project\bin" "Main"
Give your String: swiss
Here is the first non repeating character: w
PS C:\Users\Wiswa>
```

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