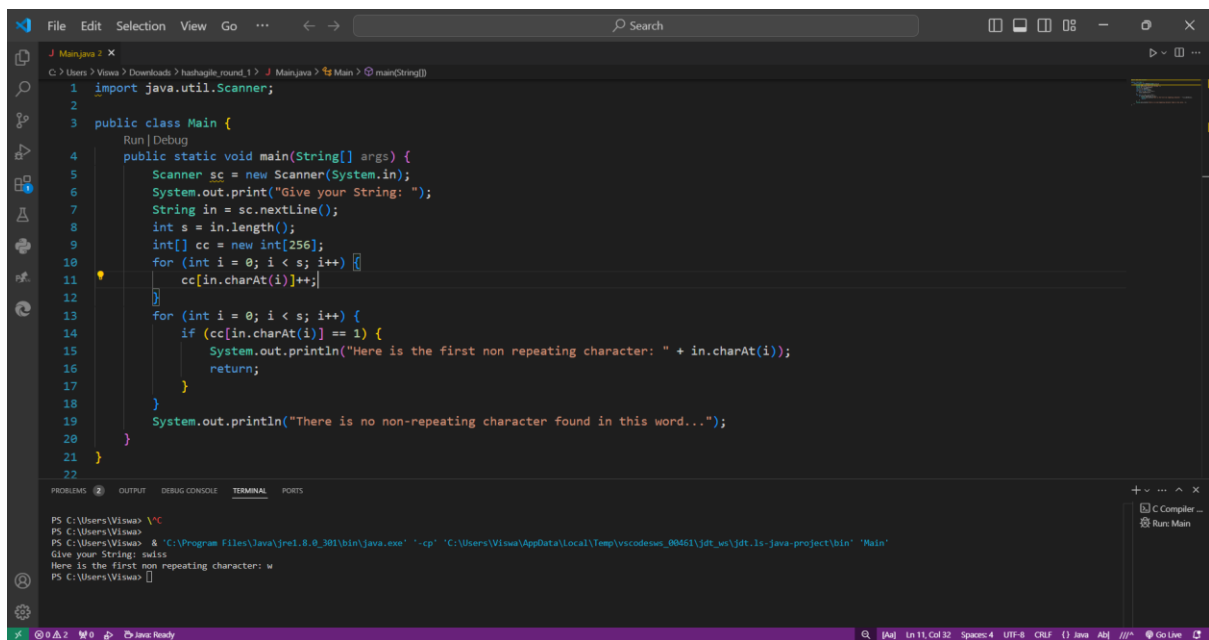**HATFD1015**

- 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:**

```java
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:**



```java
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...");
    }
}
```

```
PS C:\Users\Viswa> \^C
PS C:\Users\Viswa>
PS C:\Users\Viswa>  & 'C:\Program Files\Java\jre1.8.0_301\bin\java.exe' '-cp' 'C:\Users\Viswa\AppData\Local\Temp\vscodesws_00461\jdt_ws\jdt.ls-java-project\bin' 'Main'
Give your String: swiss
Here is the first non repeating character: w
PS C:\Users\Viswa> []
```

**Name:**        Viswanathan R

**College**:        Dr.Mahalingam College of Engineering and Technology, Pollachi.

**Department:** Artificial Intelligence and Data Science

**Mail Id:**        viswanathan092003@gmail.com