

Error Log

```
1  /*
2  Ahamid Adam
3  Program: GroupAssignment_Mastery.java          Date: October 16, 2024
4
5
6  Purpose: An application that puts people into groups based on there names.
7
8
9  School: CHHS
10 Course: Computer Science 20
11
12 */
13
14 package Mastery;
15
16 import java.util.Scanner;
17
18 public class GroupAssignment {
19
20     public static void main(String[] args) {
21         // Create a Scanner object for user input
22         Scanner userInput = new Scanner(System.in);
23
24         // Prompt the user for their first and last name
25         System.out.print("Enter your first name: ");
26         String firstName = userInput.nextLine();
27
28         System.out.print("Enter your last name: ");
29         String lastName = userInput.nextLine();
30
31         // Get the first letter of the last name and convert it to uppercase
32         char firstLetter = Character.toUpperCase(lastName.charAt(0));
33
34         // Determine the group assignment based on the first letter of the last name
35         String group;
36         if (firstLetter >= 'A' && firstLetter <= 'I') {
37             group = "Group 1";
38         } else if (firstLetter >= 'J' && firstLetter <= 'S') {
39             group = "Group 2";
40         } else if (firstLetter >= 'T' && firstLetter <= 'Z') {
41             group = "Group 3";
42         } else {
43             group = "Unknown Group"; // Edge case handling
44         }
45
46         // Display the group assignment
47         System.out.println(firstName + " " + lastName + " is assigned to " + group + ".");
48
49         // Close the scanner to avoid resource leak
50         userInput.close();
51     }
52 }
53
54 /* Screen Dump
55
56 Enter your first name: Ahamid
57 Enter your last name: Adam
58 Ahamid Adam is assigned to Group 1.
59
60 */
```

No Error