

GroupAssignment Mastery ReflectionLog

This program was completed in one session, with little changes along the way. Originally I had to do research on the char variable. But after a short while I had figured out how to properly utilize it within this assignment.

The program takes both your first and last name, it then declares a new variable as the first character of your last name. Three groups are declared with min and max values for each. Then your char is run through an if-else-if statement. The if-else-if will then print the applicable group depending on the min and max values of the groups.

```
package Mastery;

import java.util.Scanner;

public class GroupAssignment {

    public static void main(String[] args) {

        //Preparing for user input
        Scanner userInput = new Scanner(System.in);

        //Prompt and record user input
        System.out.print("Enter your first name: ");
        String firstName = userInput.nextLine();
        System.out.print("Enter your last name: ");
        String lastName = userInput.nextLine();

        //Declaration
        char letter = (lastName.toLowerCase()).charAt(0);

        char minGroup1 = 'a';
        char maxGroup1 = 'i';

        char minGroup2 = 'j';
        char maxGroup2 = 's';

        char minGroup3 = 't';
        char maxGroup3 = 'z';

        //Checks if the first letter of their last name is within each groups parameters.
        if (minGroup1 <= letter && letter <= maxGroup1)
            System.out.println(firstName + " " + lastName + " is assigned to Group 1");
        else if (minGroup2 <= letter && letter <= maxGroup2)
            System.out.println(firstName + " " + lastName + " is assigned to Group 2");
        else if (minGroup3 <= letter && letter <= maxGroup3)
            System.out.println(firstName + " " + lastName + " is assigned to Group 3");

    }

}
```