

Reflection Log Group Assignment

```
Scanner userInput = new Scanner(System.in);

    // Prompt the user for the first name

System.out.print("Enter your first name: ");
    //Creating a variable from given first name using a String function

String firstName = userInput.nextLine();

    // Prompt the user for the last name

System.out.print("Enter your last name: ");

String lastName = userInput.nextLine();
```

Program asks the user to enter your first and last name creating them as strings.

```
// Combine first name and last name creating a single variable for both

String fullName = firstName + " " + lastName;

    // Get the first letter of the last name and convert to uppercase

//Char function stores the first letter
char firstLetter = Character.toUpperCase(lastName.charAt(0));

    // Determine the group assignment based on the first letter
```

Combining the strings into one string. Then using the 'Char' Function to store the first letter.

```

int groupNumber;

if (firstLetter >= 'A' && firstLetter <= 'I')
    groupNumber = 1;

else if (firstLetter >= 'J' && firstLetter <= 'S')
    groupNumber = 2;

else if (firstLetter >= 'T' && firstLetter <= 'Z')
    groupNumber = 3;

else
    // Invalid last name
    groupNumber = -1;

    // Display the result

if (groupNumber != -1)
    System.out.println(fullName + " is assigned to group: " + groupNumber);

else
    System.out.println("Invalid last name provided.");

```

Using 'If' statements to compare the last letter with that group it is supposed to be assigned with.