Credit Name: CSE 2110 Procedura; Programming 1
Assignment Name: Group Assignment Mastery Project

How has your program changed from planning to coding to now? Please explain?

During my planning, the concept was relatively straightforward. The program had to gather a user's first and last name, determine which group they belong in based on the first letter of their last name, and print out a result accordingly. Initially, I thought of using a switch statement but chose `if-else` for its relative ease of use and its ability to cover multiple ranges of letters quickly. During the coding process, I came across a small challenge with the character comparison. I forgot to convert the first letter of the last name to uppercase, which caused incorrect group assignments for lowercase last names. I quickly resolved this by applying the `toUpperCase()` method to standardize the comparison. Now, the program is functioning smoothly. It correctly assigns a group based on the user's last name and displays the expected output. It also handles edge cases such as lowercase input.

```
if (firstLetter >= 'A' && firstLetter <= 'I') {
    group = 1;
} else if (firstLetter >= 'J' && firstLetter <= 'S') {
    group = 2;
} else {
    group = 3;
}
```