THE A-MAZING DS4 RACE

LAB 8 A and 8 B REPORT

ARYAN RAO

SECTION 5

DATE- 11/5/2021 SUBMISSION DATE- 11/9/2021

Problem

Create a real-time game that would be controlled by the DS4 and the game consists of a maze and a character which is to be controlled using the same.

Analysis

The problem consists of various functions defined by us. We must implement mechanisms of ensuring when the character is to be moved left, right, or down.

Design

- Implement the functions
- Check for space to go left, right, or down
- Print the winning and losing messages accordingly

Testing

Made sure that the character moves when it is supposed to, and it doesn't go beyond the boundaries of the maze. It goes left, right, and down when it is supposed to.

Comments

Scanning the correct information from the DS4 is necessary. It might have an impact on the whole code if not done properly.

Questions

1. Describe how you checked if the avatar could safely move down and go left/right.

I used the If statements and applied to proper conditions which were if the character encounters the maze or a space, it moves accordingly.

2. Describe what was necessary to check for the player losing the game.

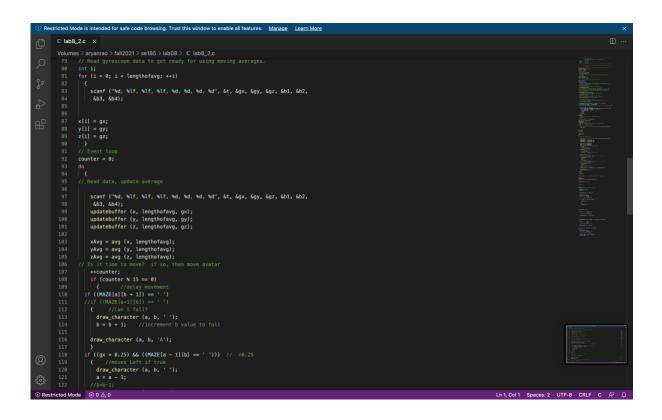
In the If statement, I checked if the avatar encountered a wall, it won't move hence the user loses the game.

SCREENSHOT

SOURCE CODE:

```
| Comparison | Com
```

```
| Comparison | Market | Section | Se
```



```
| Comparison | Market | Market
```

```
| Comparison | Margin | Comparison | Compari
```

OUTPUT: