AVC Robot Linux Install Instructions

1. **Download AVC_LINUX.zip from the Releases Folder of the github**
   - https://github.com/PROJ3TEAM10/Project-3-avc-team10/tree/master/Release
2. **Unzip the archive into your home user folder**
   - you can unzip the archive into a different location however there will be an extra step later
3. **If it is not installed/pre installed on your system, install GCC (GNU Compiler Collection)**
   - This can probably be found in your package manager
   - Open a console
   - For Manjaro/Arch Linux: run the command "sudo pacman -Sy gcc"
   - For Ubuntu/Debian/Mint: run the command "sudo apt update" then "sudo apt install gcc"
   - You can check if installed using the command "gcc --version"
4. **If it is not installed/pre installed on your system, install Make**
   - This can probably also be found in your package manager
   - Open a console
   - For Manjaro/Arch Linux: run the command "sudo pacman -Sy make"
   - For Ubuntu/Debian/Mint run the command "sudo apt update" then "sudo apt install make"
5. **A note for Ubuntu/Debian/Mint users**
   - You Should be able to use "sudo apt install build-essential" to install both GCC and **Make**
6. **In the AVC_Robot folder and AVC_Sever folder edit the file in a text editor named "makefile".**
   - If you extracted the zip into your user folder then skip this step.
   - find "SFML = ${HOME}/AVC/SFML-2.5.1" then change ${HOME} to the directory you extracted the zip to.

7. **Build the AVC Server**
   - Run a terminal with the active directory being the AVC_Server folder and run the command "make server3"
8. **Build the AVC Robot**
   - Run a terminal with the active directory being the AVC_Robot folder and run the command "make robot"
9. **Run the Server**
   In the AVC_Server folder run 'server3'
10. **Run the Robot**
    In a terminal with the active directory being the AVC_Robot folder run the command "./robot"