

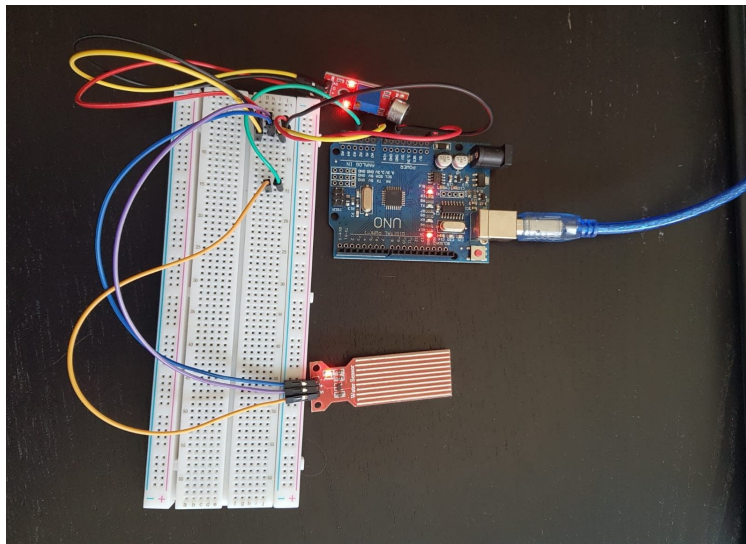
C programming exam assignment

I have chosen to create the Arduino data logger. I have worked on this assignment on my own.

I had planned to fulfill the requirements for this exercise. However, I managed to fulfill only 3 of them. Them being:

- 1.Start the logging process.
- 2.Stop the logging process.
- 3.Transmit all the logged data.
- 4.You can change between different sensors through a menu.

The sensors I am using in my project are sound and water sensors. I have them connected like this:



The program on the Arduino collects data from both sensors through `analogRead` and outputs it by using `Serial.print`.

Then on the other side, I have a small program that first asks the user which sensor's data they would like to see and then show the live data on a graph. It also saves the data in a csv file.

What I could not manage to achieve, is to stop the data stream and start it again without exiting the program.

Despite that, I really enjoyed working on this project and I hope you like it!