Demo for Assignment 6

Because I don't have a soil moisture sensor, so that I use a water sensor to do this exercise 6.

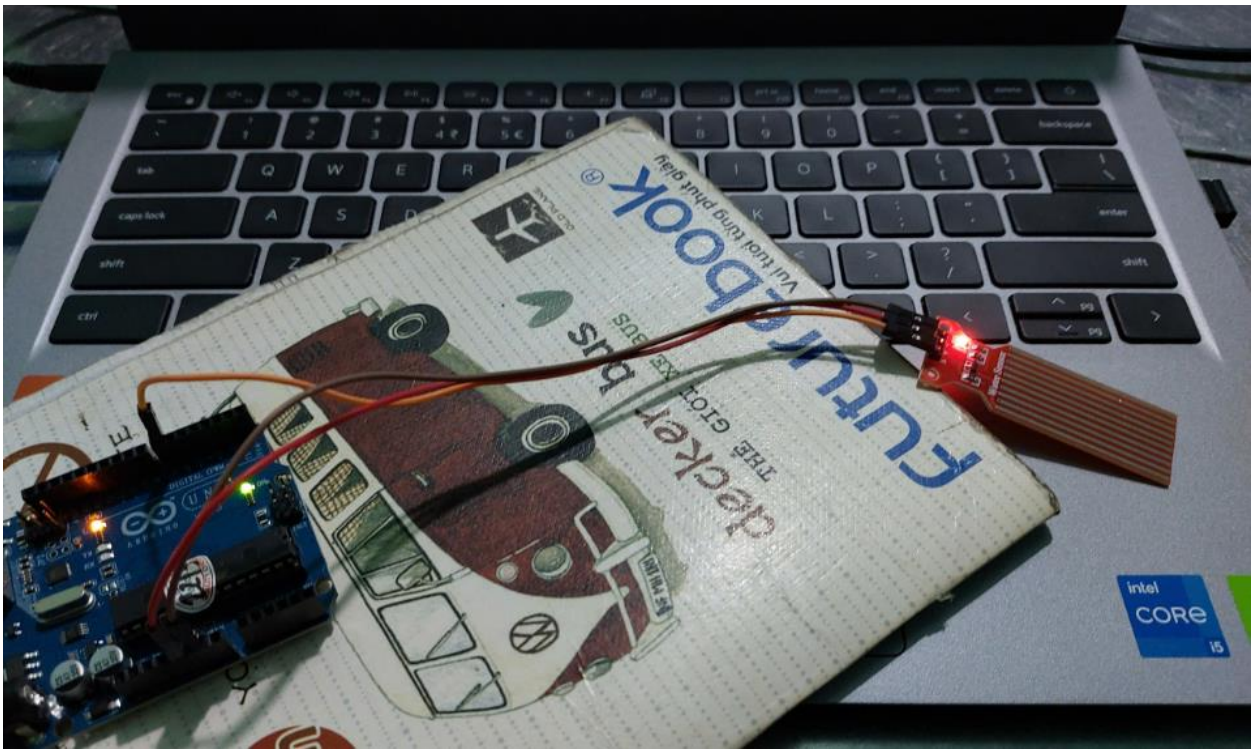
As far as I know, Water sensor is also capable of detecting humidity or water and can replace soil moisture sensor in some cases.

- First, I write code in Arduino IDE to connect water sensor to Arduino Uno.

```
#define SENSOR_PIN 7

void setup() {
  pinMode(SENSOR_PIN, INPUT);
  Serial.begin(9600);
}

void loop() {
  int sensorValue = digitalRead(SENSOR_PIN);

  if (sensorValue == HIGH) {
    Serial.println("Water (Humidity)");
  } else {
    Serial.println("No Water (No Humidity)");
  }

  delay(500);
}
```

- Then, I upload the code to Arduino Uno for it to execute

- When there is no water or humidity, the sensor will report no water detection.



- Conversely, when there is water or humidity, the sensor will detect it.