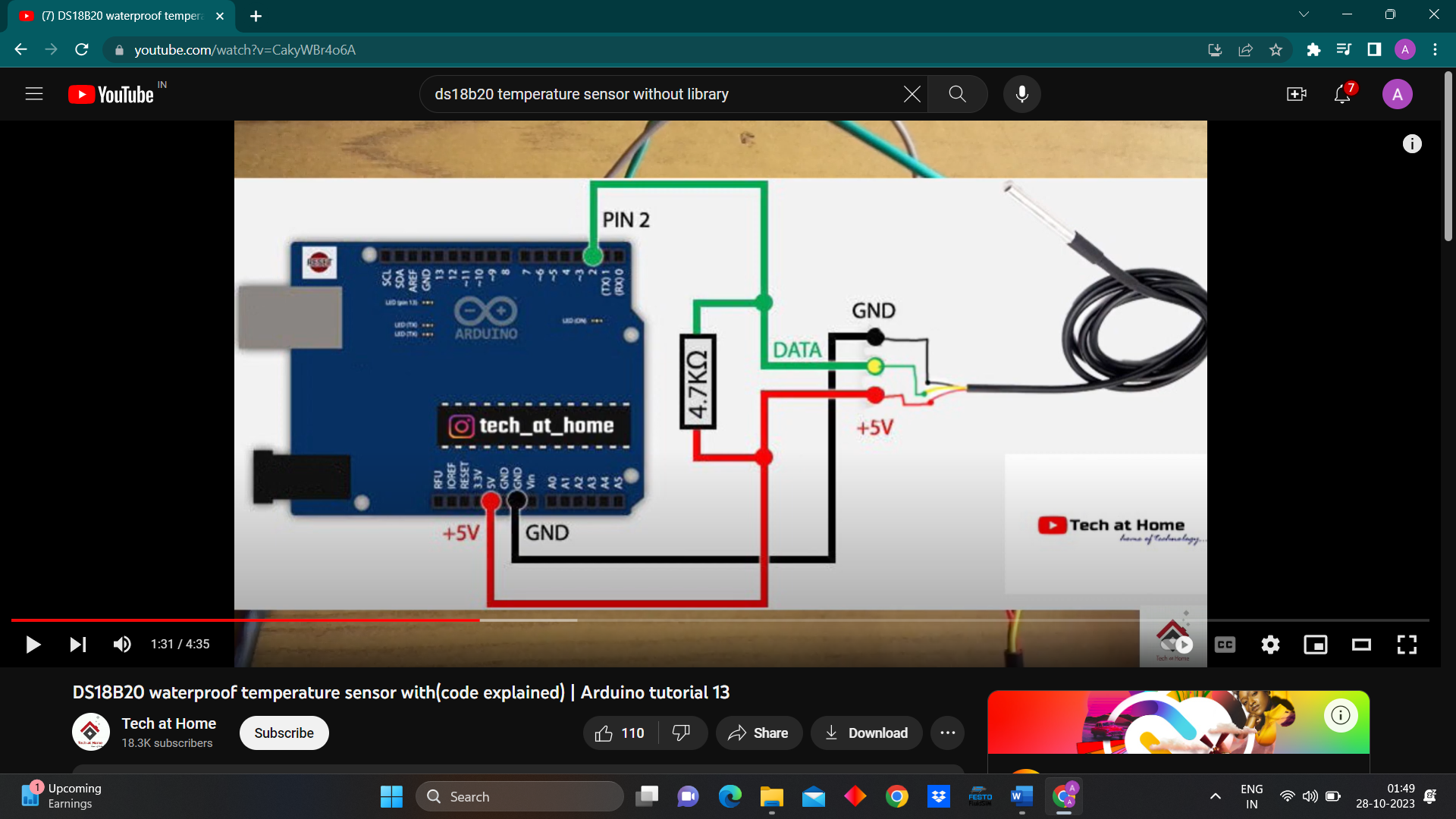
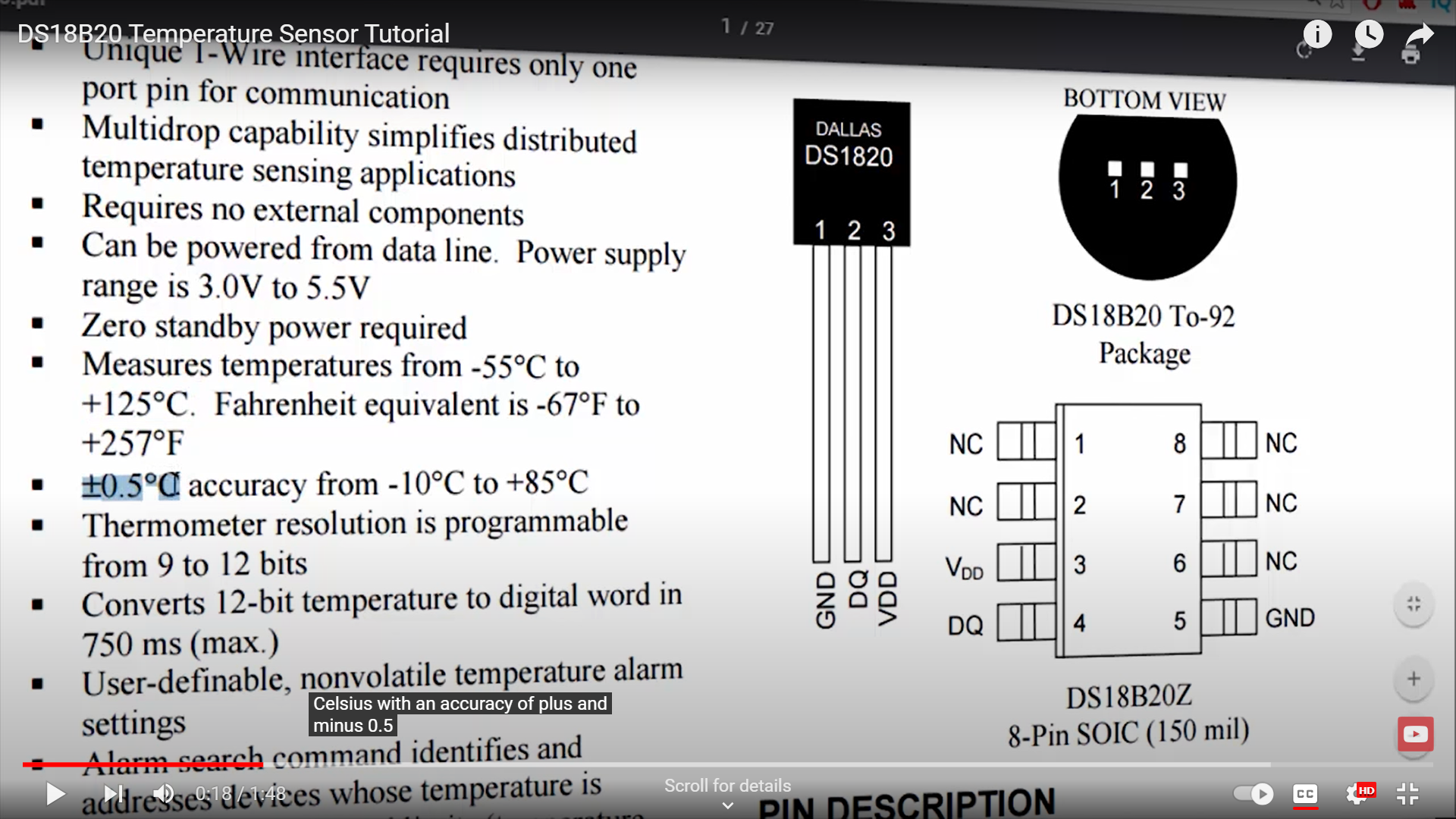
**VERMICOMPOSTING**

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| DS18B20 Temperature Sensor |

**Components Required:**

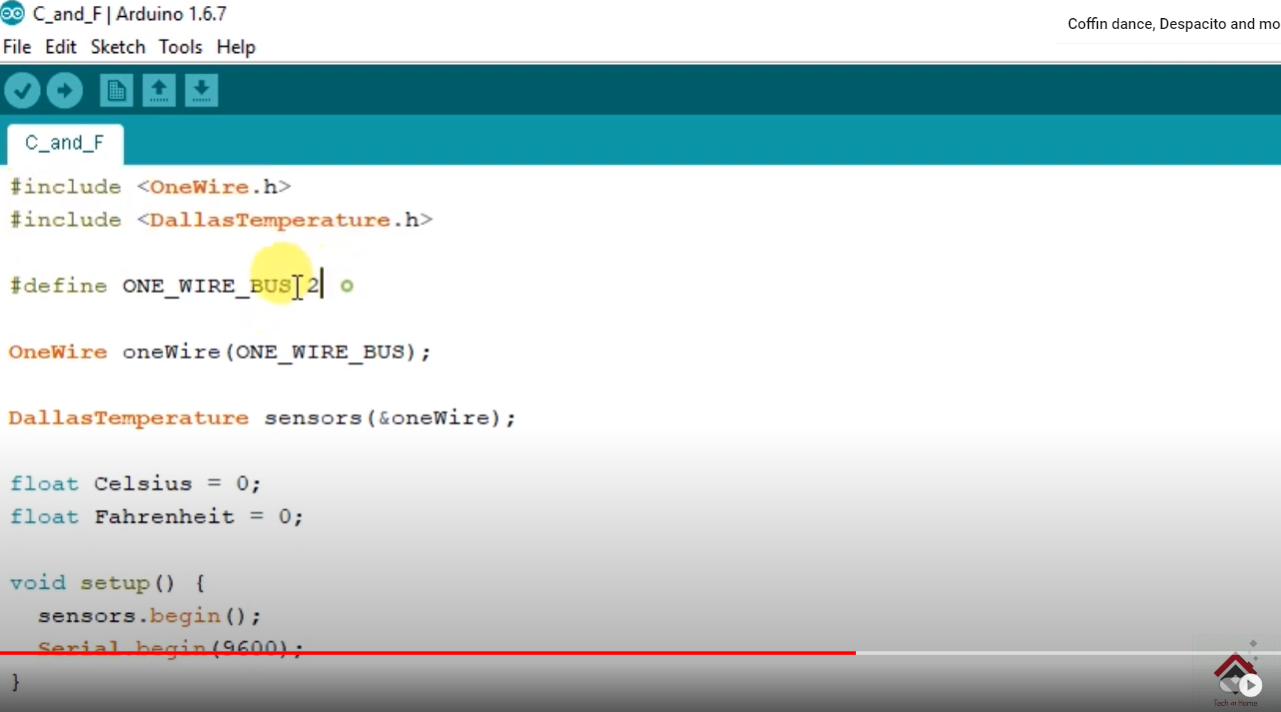
* Arduino
* Breadboard
* Jumper wire
* 4.7k ohm resistor

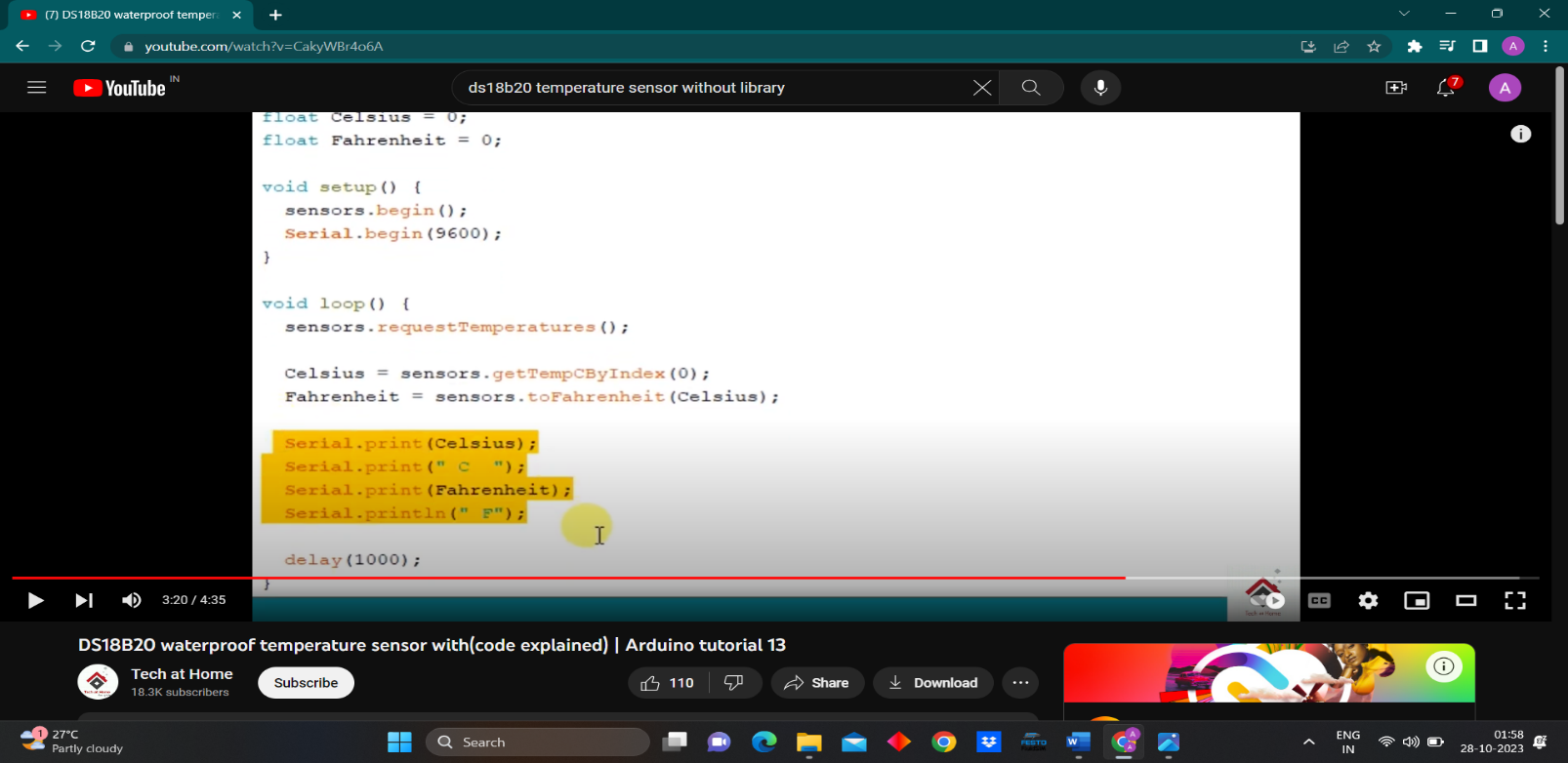


**Programming:**

We will include 2 pre defined libraries-

* onewire.h - This library simplifies the process of sending and receiving data over a single data wire, which is used for both power and communication in 1-wire devices.
* DallasTemperature.h - This library simplifies the process of sending and receiving data over a single data wire, which is used for both power and communication in 1-wire devices.

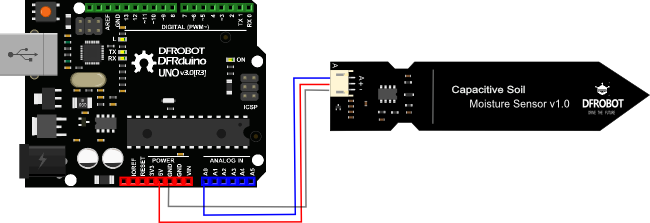




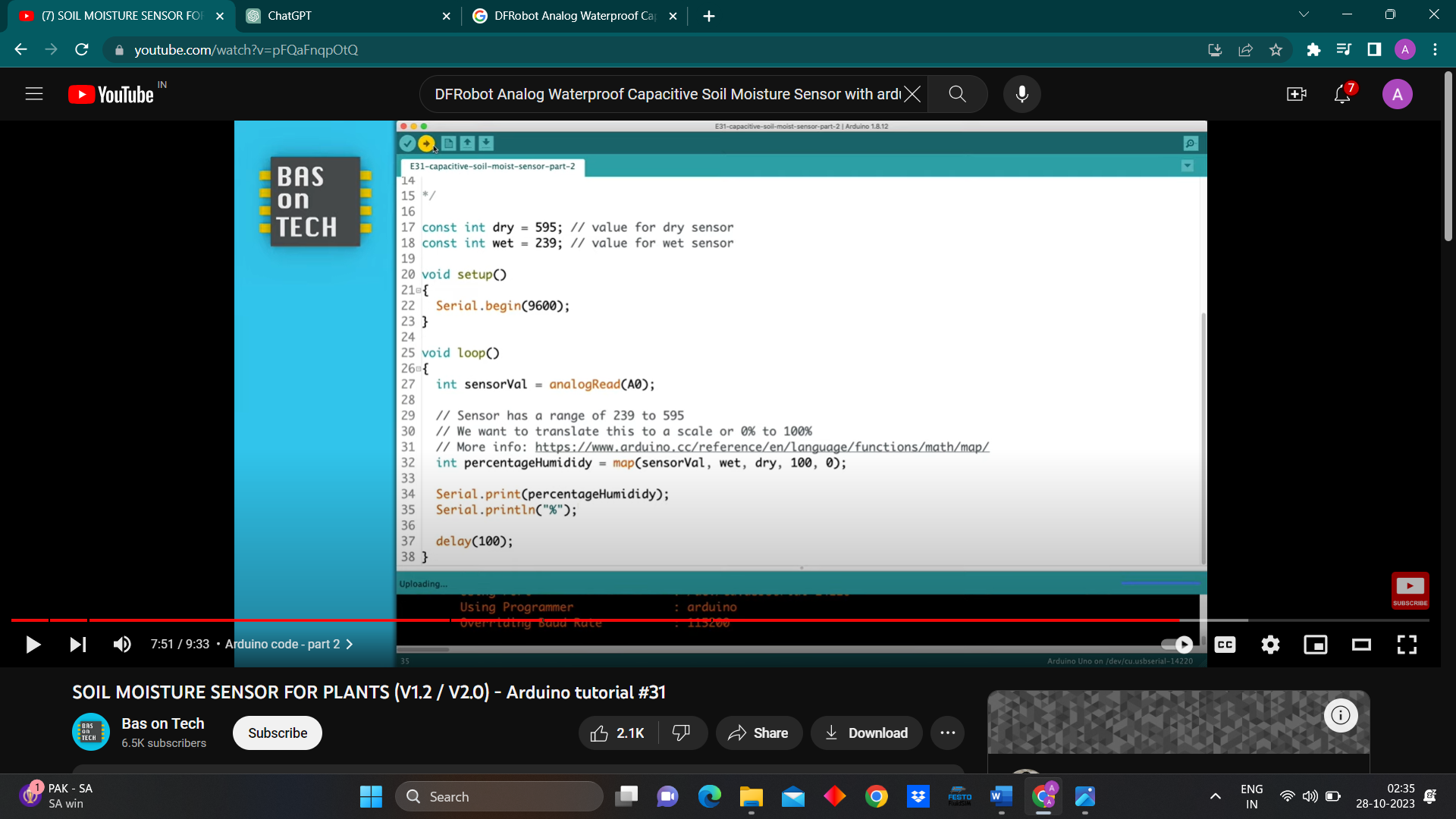
|  |
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| DFRobot Analog Waterproof Capacitive Soil Moisture Sensor |

**Components Required:**

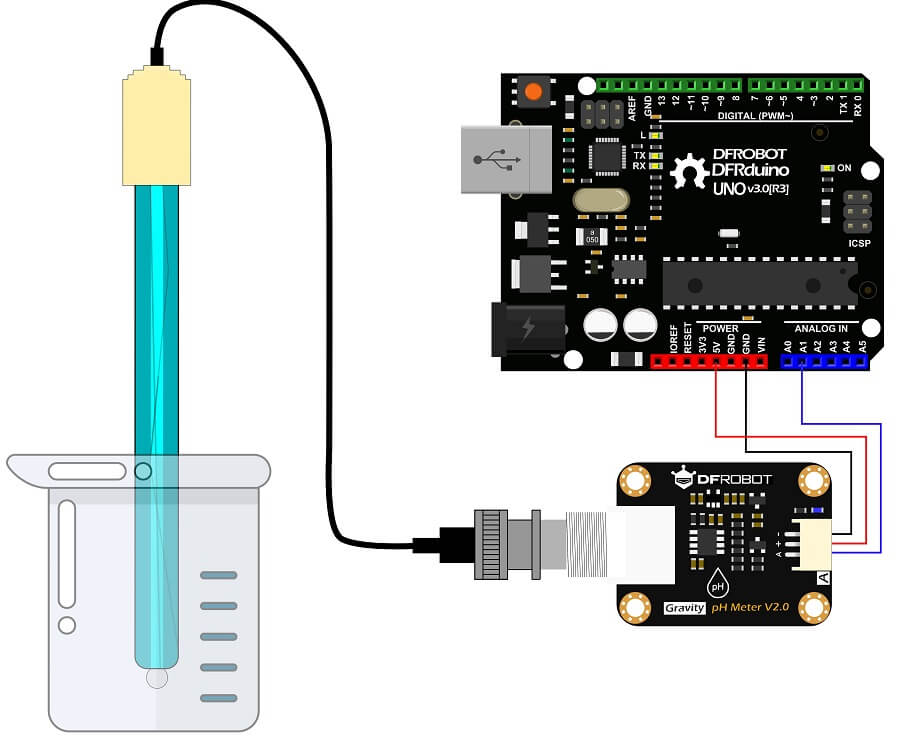
* Arduino
* Breadboard
* Jumper wire

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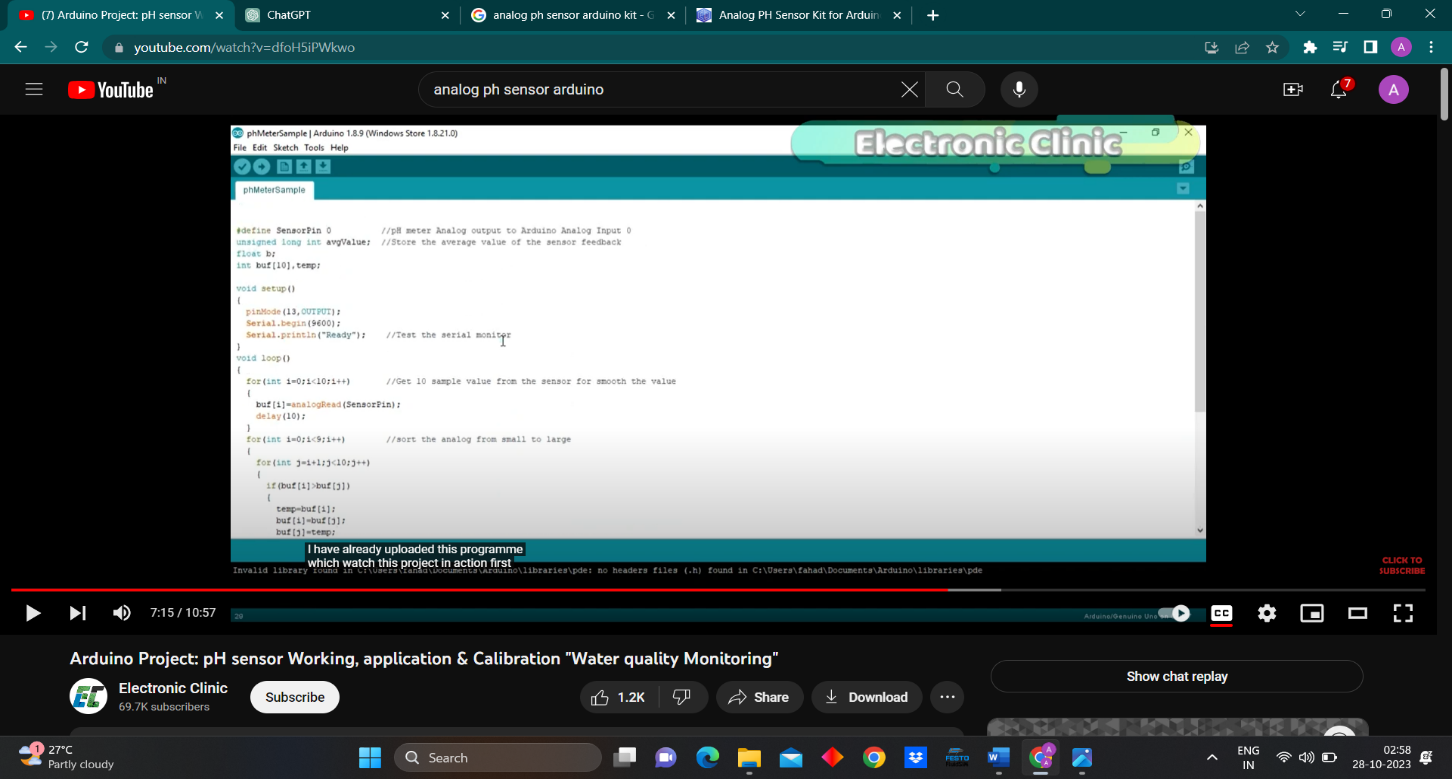
**Programming:**

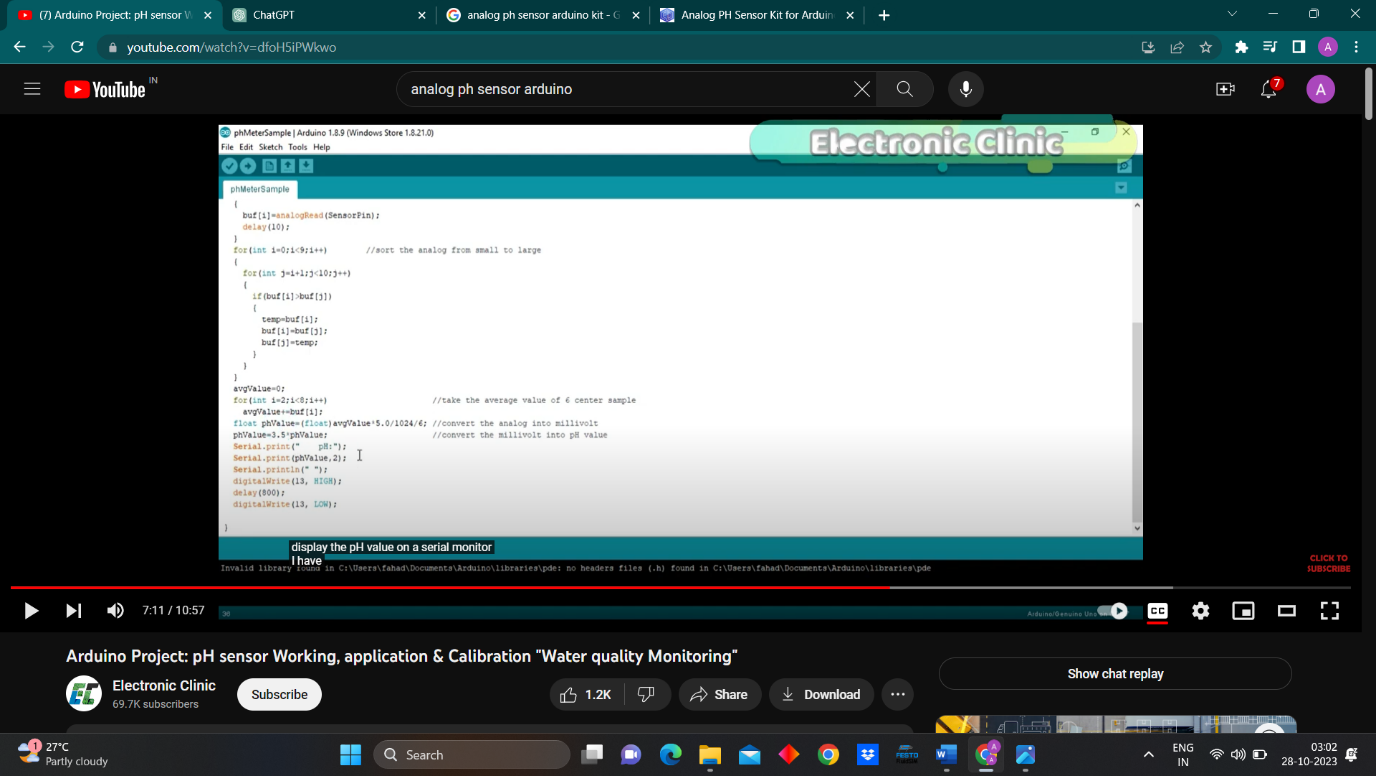
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| Analog pH Sensor |

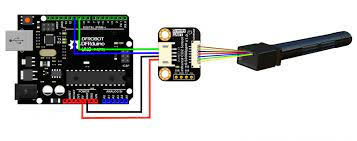


**Programming:**

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| DFRobot Gravity: Analog Infrared CO2 sensor |



**Programming:**

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| --- |
| Soil NPK sensor |

**Components Required:**

* rs485 modbus module