

امال محمود السيد حامد

```
project_1 | Arduino 1.8.13
File Edit Sketch Tools Help

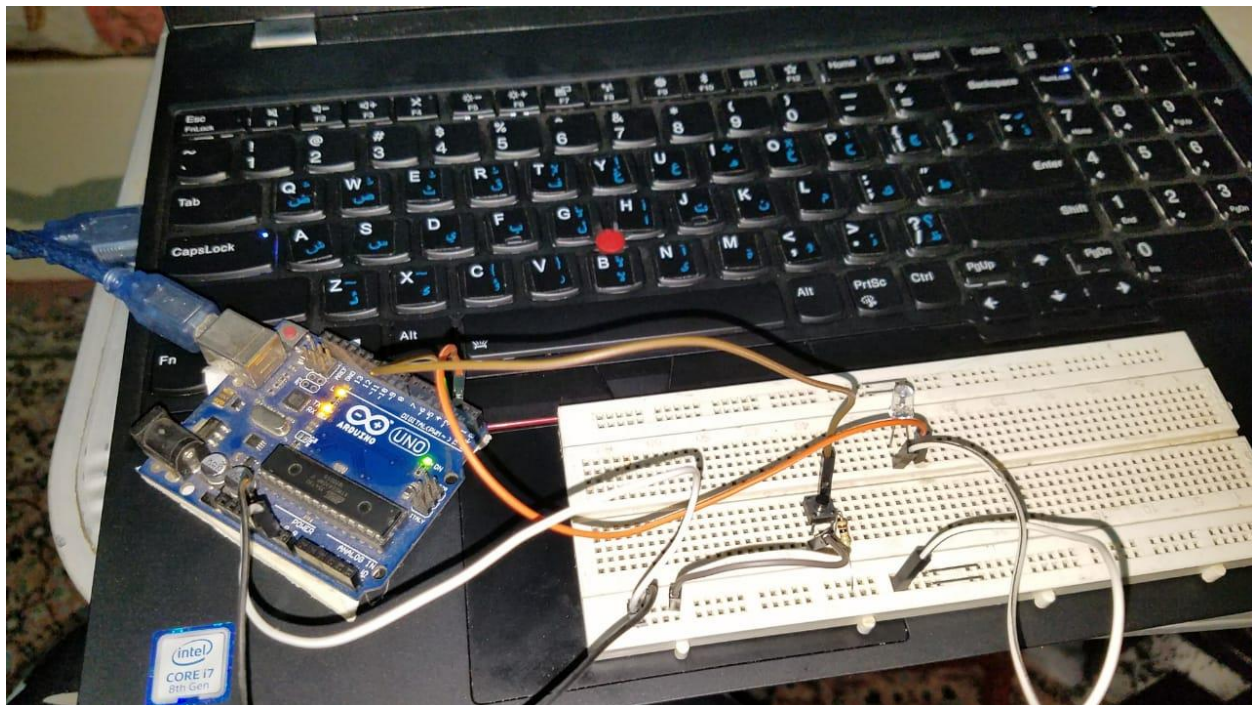
project_1$
// امال محمود السيد حامد جروب 1

void setup() {
  //start serial connection
  Serial.begin(9600);
  //configure pin2 as an input and enable the internal pull-up resistor
  pinMode(3, INPUT_PULLUP);
  pinMode(2, OUTPUT);
}

void loop() {
  //read the pushbutton value into a variable
  int sensorVal = digitalRead(3);
  //print out the value of the pushbutton
  Serial.println(sensorVal);

  // Keep in mind the pullup means the pushbutton's
  // logic is inverted. It goes HIGH when it's open,
  // and LOW when it's pressed. Turn on pin 13 when the
  // button's pressed, and off when it's not:
  if (sensorVal == HIGH) {
    digitalWrite(2, HIGH);
  } else {
    digitalWrite(2, LOW);
  }
}

Done uploading
Sketch uses 2004 bytes (6%) of program storage space. Maximum is 32256 bytes.
Global variables use 188 bytes (9%) of dynamic memory, leaving 1860 bytes for local variables. Maximum is 2048 bytes.
```



VIDEO LINK

<https://drive.google.com/file/d/15bFy-oGBQM5jdrSuJshnT3Fv7bBRN6eH/view?usp=sharing>