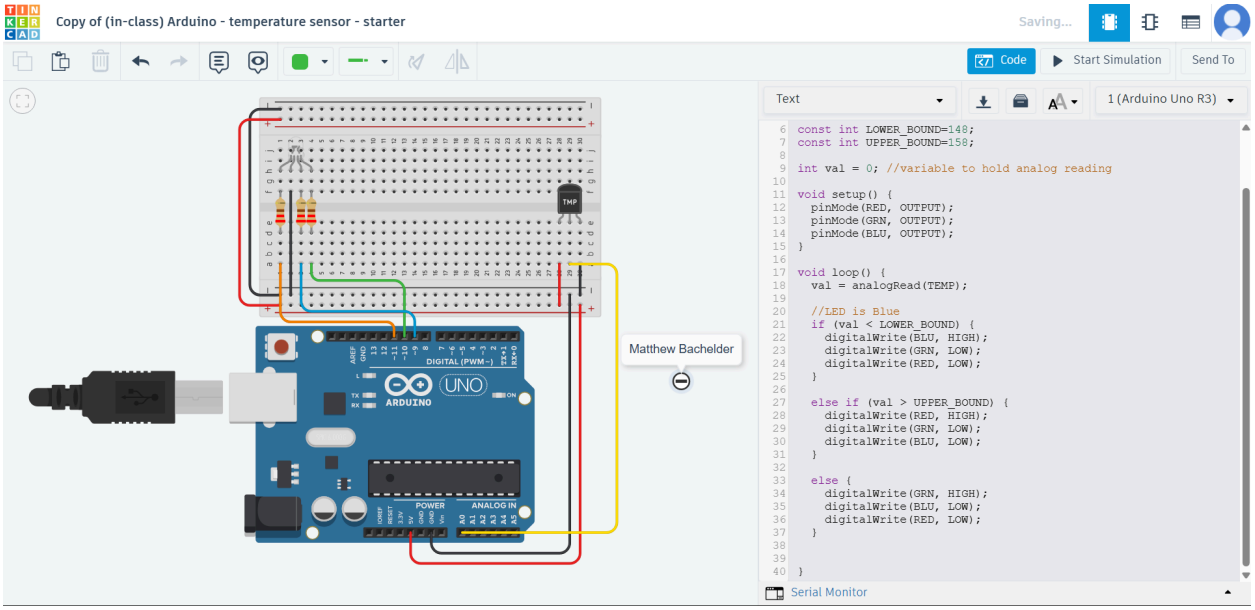
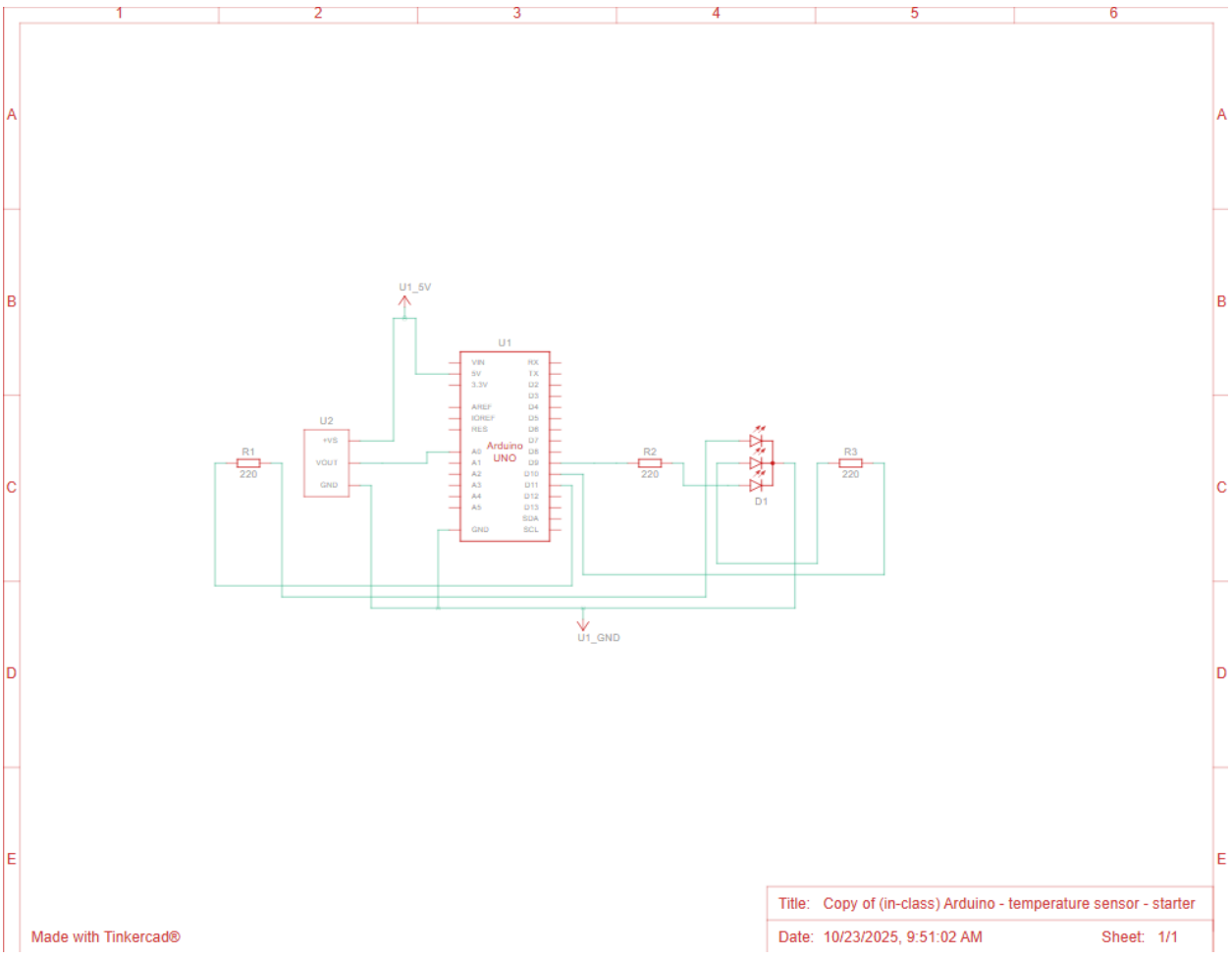
Arduino - Temperature Sensor & Photoresistor - Tinkercad Circuits Version

Temperature Sensor




```
const int LOWER_BOUND=148;
const int UPPER_BOUND=158;

int val = 0; //variable to hold analog reading

void setup() {
  pinMode(RED, OUTPUT);
  pinMode(GRN, OUTPUT);
  pinMode(BLU, OUTPUT);
}

void loop() {
  val = analogRead(TEMP);

  //LED is Blue
  if (val < LOWER_BOUND) {
    digitalWrite(BLU, HIGH);
    digitalWrite(GRN, LOW);
    digitalWrite(RED, LOW);
  }

  else if (val > UPPER_BOUND) {
    digitalWrite(RED, HIGH);
    digitalWrite(GRN, LOW);
    digitalWrite(BLU, LOW);
  }

  else {
    digitalWrite(GRN, HIGH);
    digitalWrite(BLU, LOW);
    digitalWrite(RED, LOW);
  }


}
```



Photoresistor