

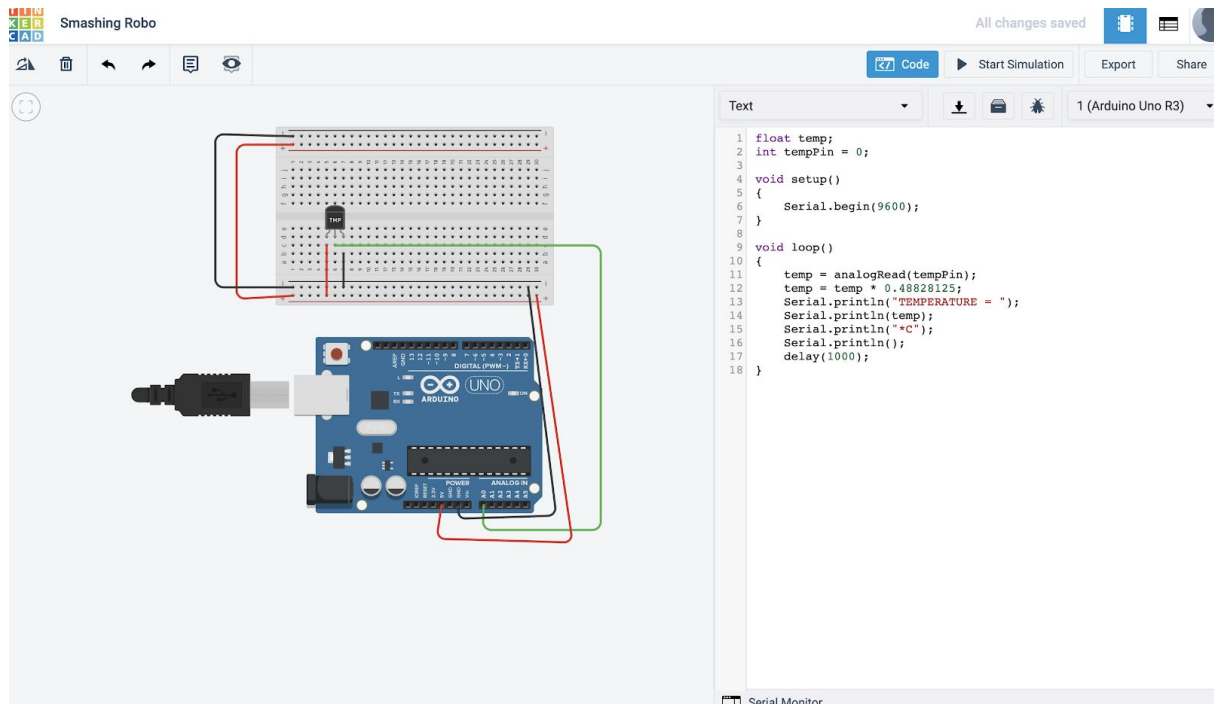
IOT LAB

Program Title – TEMPERATURE SENSOR

AIM – Demonstrate the working of temperature sensor
Hardware Required -

- Arduino Board
- Breadboard
- Wires
- Temperature sensor

Circuit Diagram -



Code-

Temperature Suman Kumar Pal

```
float temp;  
int tempPin = 0;  
void setup()  
{  
    Serial.begin(9600);  
}  
void loop()  
{  
    temp = analogRead(tempPin);  
    temp = temp * 0.488;  
    Serial.println("Temperature");  
    Serial.print(ln(temp));  
    Serial.print(ln("°C"));  
    Serial.println();  
    delay(1000);  
}
```

Observation /Output -

The working temperature sensor is observed.