ASSIGNMENT 2

TEMPERATURE SENSOR

ASSIGNMENT DATE	**25/9/2022**
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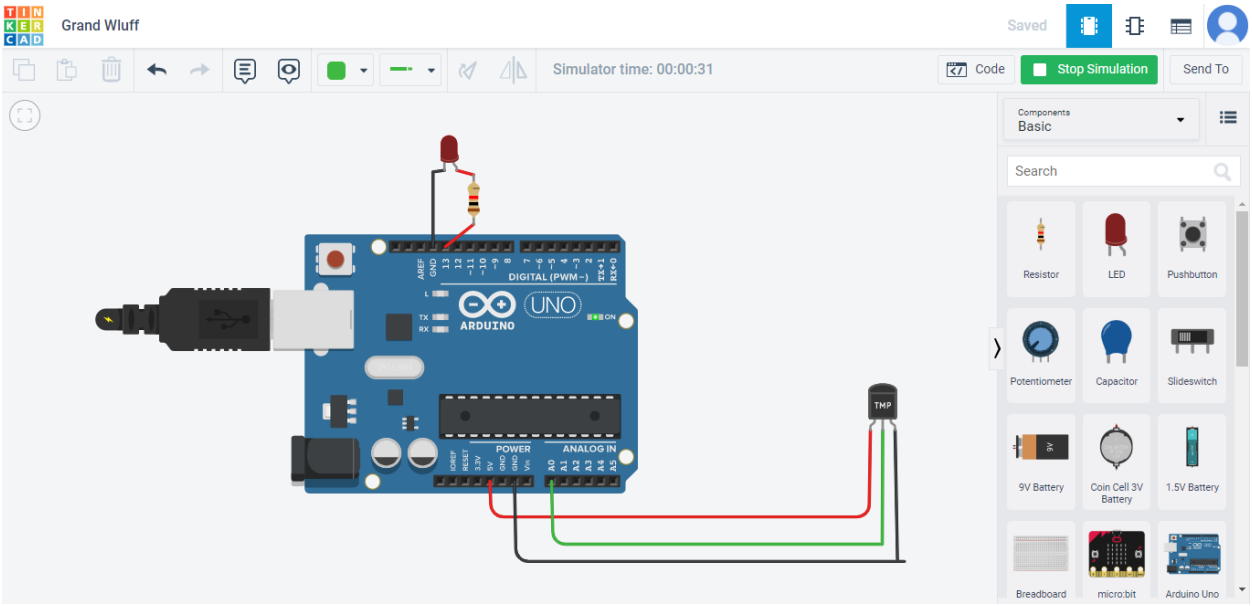
STUDENT ROLL NUMBER	**917719C077**
MAXIMUM MARKS	**2 MARKS**

The below given serves as a normal temperature sensor:

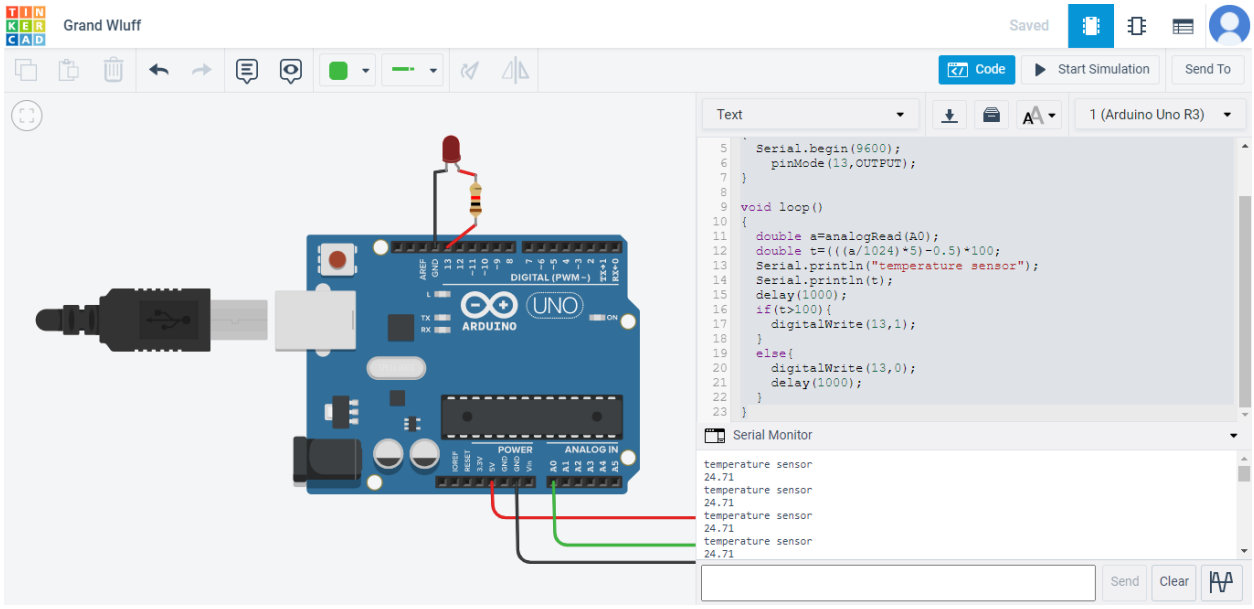


CODE:

```
void setup()
{
  Serial.begin(9600);
        pinMode(13,OUTPUT);
}

void loop()
{
  double a=analogRead(A0);
  double t=(((a/1024)*5)-0.5)*100;
  Serial.println("temperature sensor");
  Serial.println(t);
  delay(1000);
  if(t>100){
    digitalWrite(13,1);
  }
  else{
    digitalWrite(13,0);
    delay(1000);
  }
}
```

OUTPUT:


Grand Wluff
Saved
Code
Start Simulation
Send To
Text
1 (Arduino Uno R3)
Serial.begin(9600);
pinMode(13,OUTPUT);
}
void loop()
{
double a=analogRead(A0);
double t=(((a/1024)*5)-0.5)*100;
Serial.println("temperature sensor");
Serial.println(t);
delay(1000);
if(t>100){
digitalWrite(13,1);
}
else{
digitalWrite(13,0);
delay(1000);
}
}
Serial Monitor
temperature sensor
24.71
temperature sensor
24.71
temperature sensor
24.71
temperature sensor
24.71
Send
Clear
ARDUINO
UNO
DIGITAL (PWM~)
POWER
ANALOG IN