

Maresh K S

Government college of Engineering,Thanjavur

My code:

```
//Maresh.K.S
```

```
//Government College Of Engineering,Thanjavur
```

```
void setup()
```

```
{
```

```
  Serial.begin(9600);
```

```
  pinMode(2,INPUT);
```

```
  pinMode(4,OUTPUT);
```

```
}
```

```
void loop()
```

```
{
```

```
  double data=analogRead(A2);
```

```
  double n=data/1024;
```

```
  double volt=n*5;
```

```
  double off=volt-0.5;
```

```
  double temperature=off*100;
```

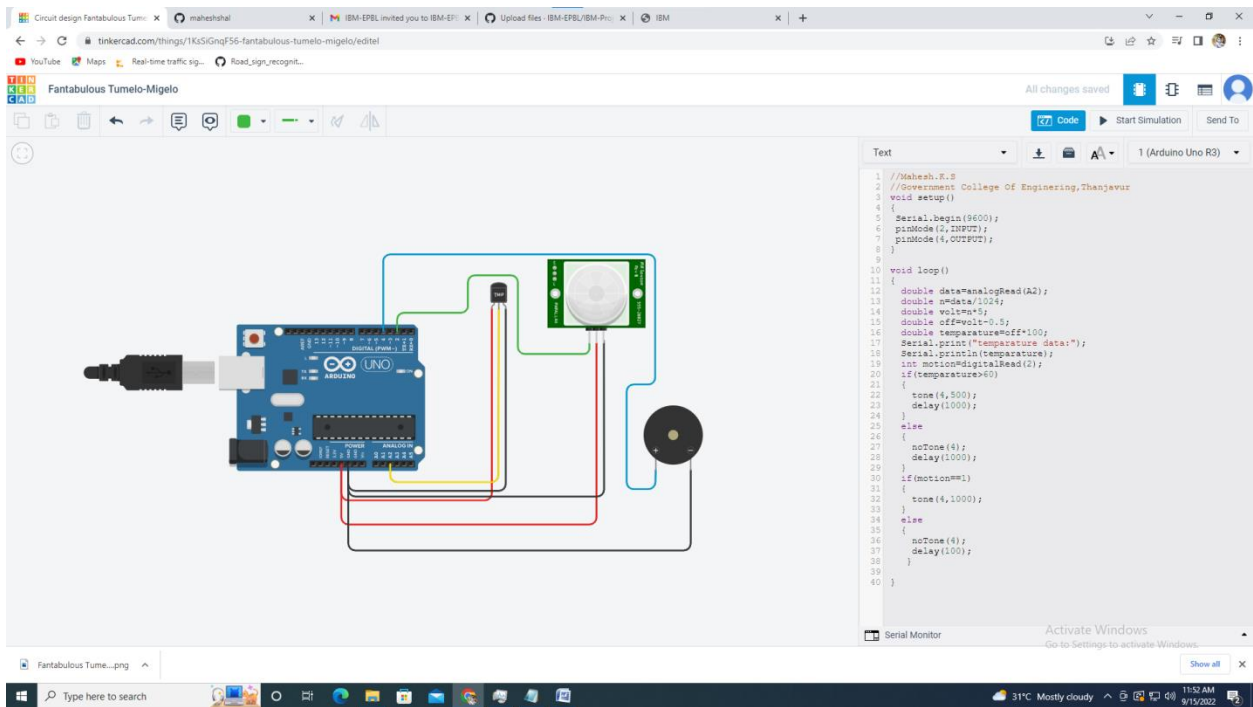
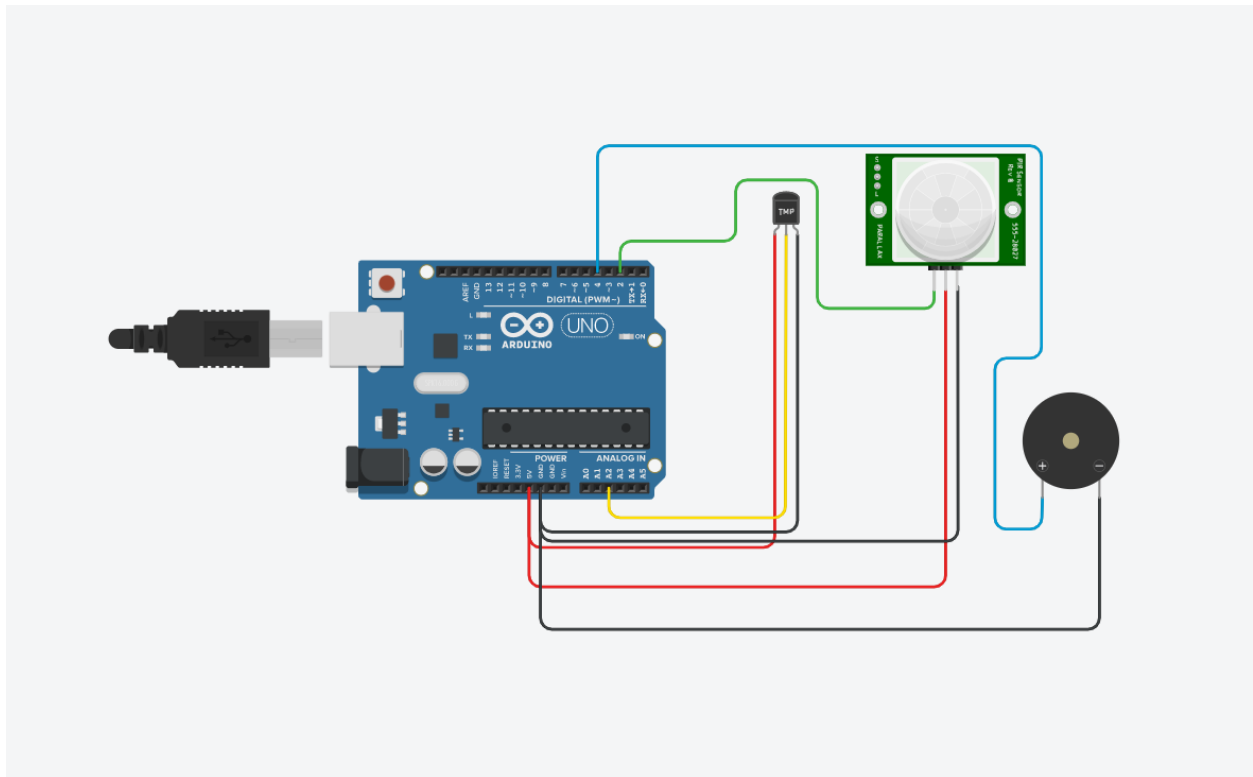
```
  Serial.print("temperature data:");
```

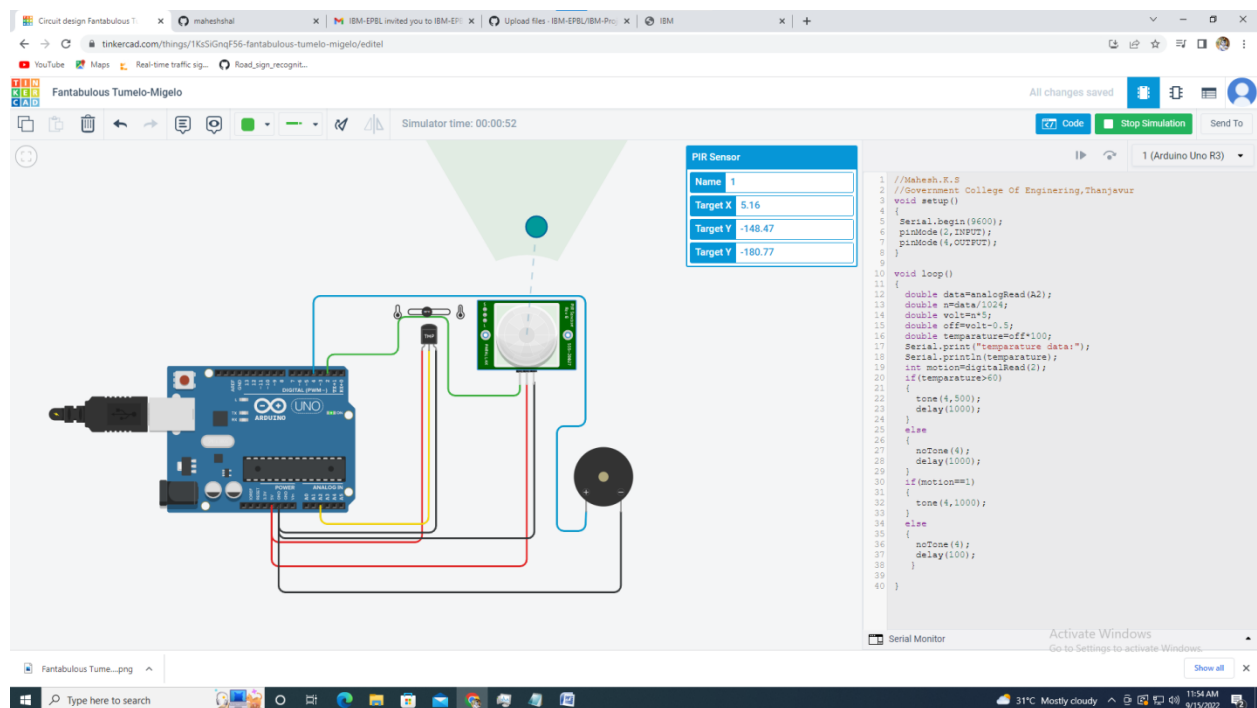
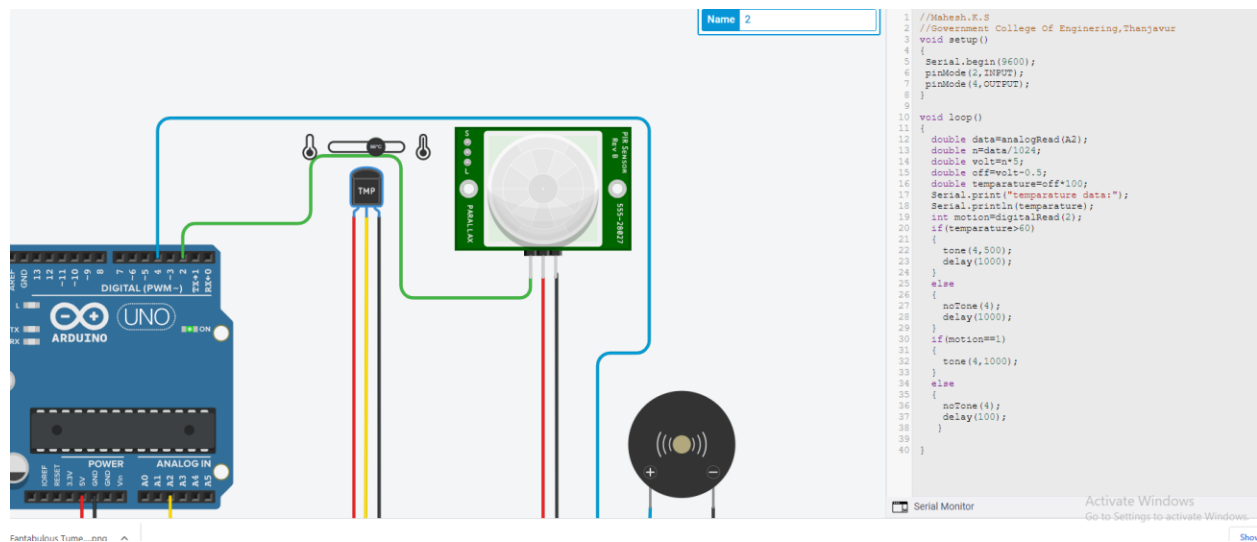
```
  Serial.println(temperature);
```

```
  int motion=digitalRead(2);
```

```
if(temparature>60)
{
    tone(4,500);
    delay(1000);
}
else
{
    noTone(4);
    delay(1000);
}
if(motion==1)
{
    tone(4,1000);
}
else
{
    noTone(4);
    delay(100);
}
}
```

Screen shots:





Circuit design Fantabulous T... maheshshah

IBM-EPBL invited you to IBM-EP... Upload files - IBM-EPBL/IBM-Pr... IBM

tinkercad.com/things/1KsIGnGf56-fantabulous-tumelo-migelo/edit#t=

YouTube Maps Real-time traffic sig... Road sign recogni...

Fantabulous Tumelo-Migelo

All changes saved

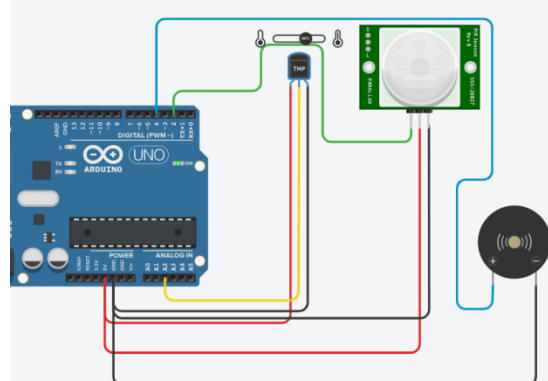
Code Stop Simulation Send To

1 (Arduino Uno R3)

Simulator time: 00:01:35

Temperature Sensor [TMP26]

Name 2



```
1 //Maheshh.K.S
2 //Government College Of Engineering,Thanjavur
3 void setup()
4 {
5   Serial.begin(9600);
6   pinMode(2,INPUT);
7   pinMode(4,OUTPUT);
8 }
9
10 void loop()
11 {
12   double data=analogRead(A2);
13   double n=data/1024;
14   double vdata=5;
15   double offvoltage=0.5;
16   double temperature=offv*100;
17   Serial.println("temperature data:");
18   Serial.println(temperature);
19   int motion=digitalRead(2);
20   if(temperature>60)
21   {
22     tone(4,500);
23     delay(1000);
24   }
25   else
26   {
27     noTone(4);
28     delay(1000);
29   }
30   if(motion==1)
31   {
32     tone(4,1000);
33   }
34   else
35   {
36     noTone(4);
37     delay(100);
38   }
39 }
40 }
```

Serial Monitor

Activate Windows
Go to Settings to activate Windows.

Show all

Type here to search

31°C Mostly cloudy 11:54 AM 9/15/2022