

ASSIGNMENT - 1

TINKERCAD Bodacious Crift All changes saved

Tinkercad dashboard

```
1 int buzzer = 12;
2 float temp;
3 int m=0;int p=0;
4
5 void setup()
6 {
7   Serial.begin(9600);
8   pinMode(buzzer, OUTPUT);
9   pinMode(13, OUTPUT);
10 }
11
12 void loop()
13 {
14   temp = analogRead(A5);
15   temp = temp * 0.48828125;
16   Serial.print("TEMPERATURE IS:");
17   Serial.print(temp);
18   Serial.print("*C");
19   Serial.println();
20
21   m = analogRead(A0);
22   p = map(m,0,255,0,1023);
23   Serial.println(p);
24   if(p>100 && temp>50)
25   {
26     Serial.println("Motion is Detected");
27     digitalWrite(13,HIGH);
28   }
29 }
```

Serial Monitor

<https://www.tinkercad.com/dashboard?type=circuits&collection=designs>

SUBMITTED BY

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