

New Tab x Circuit design Glorious Juttuli x +

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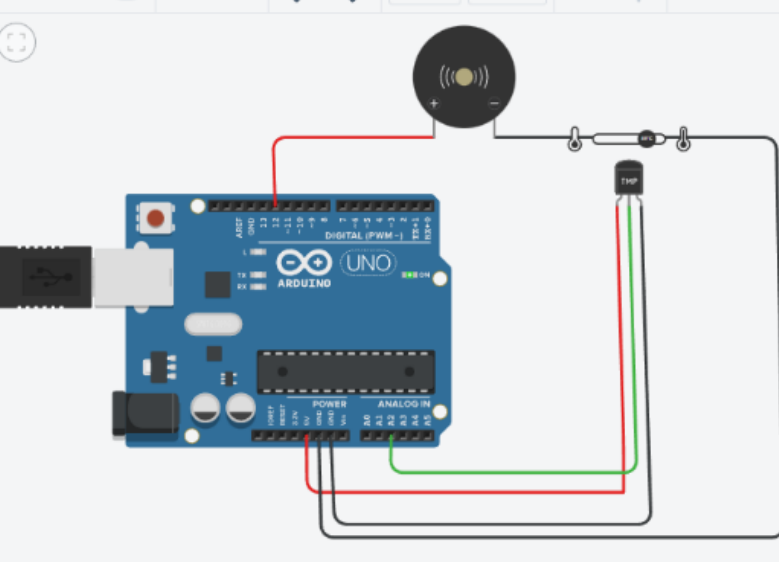
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TINKERCAD Glorious Juttuli

All changes saved

Simulator time: 00:00:01.599

Code Stop Simulation Send To



```
1 //Alarm should sound in one manner if temp is above 60 C
2 void setup() {
3   Serial.begin(9600);
4   pinMode(12,OUTPUT);
5 }
6 void loop() {
7   double data=analogRead(A2);
8   double n=data/1024;
9   double volt=n*5; //because connected to 5v
10  double off=volt-0.5;
11  double temperature=off*100;
12  Serial.print("Temperature data: ");
13  Serial.println(temperature);
14  if(temperature>60)
15    tone(12,100,1000); //pin number,frequency,delay
16  else
17    noTone(12);
18 }
```

Serial Monitor

Temperature data: 88.67
Temperature data: 88.67
Temperature data: 88.67
Temperature data: 88.67
Temperature data: 88.67
Temperature data: 88.67
Temperature d

Send Clear

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Simulator time: 00:00:01.572

Code Stop Simulation Send To

1 (Arduino Uno R3)

PIR Sensor

Name 1

```
1 //Alarm should sound if motion is detected in PIR Sensor
2 void setup() {
3   Serial.begin(9600);
4   pinMode(2,INPUT);
5   pinMode(12,OUTPUT);
6 }
7 void loop() {
8   int motion=digitalRead(2);
9   if(motion==1){
10    Serial.println("Motion detected");
11    tone(12,200,1000); //pin number,frequency,delay
12    Serial.println("Buzzer ON");
13  }
14  else
15    Serial.println("No Motion");
16 }
```

Serial Monitor

Buzzer ON
Motion detected
Buzzer ON
Motion detected
Buzzer ON
Motion detected
Buzzer ON
Motion detect

Send Clear