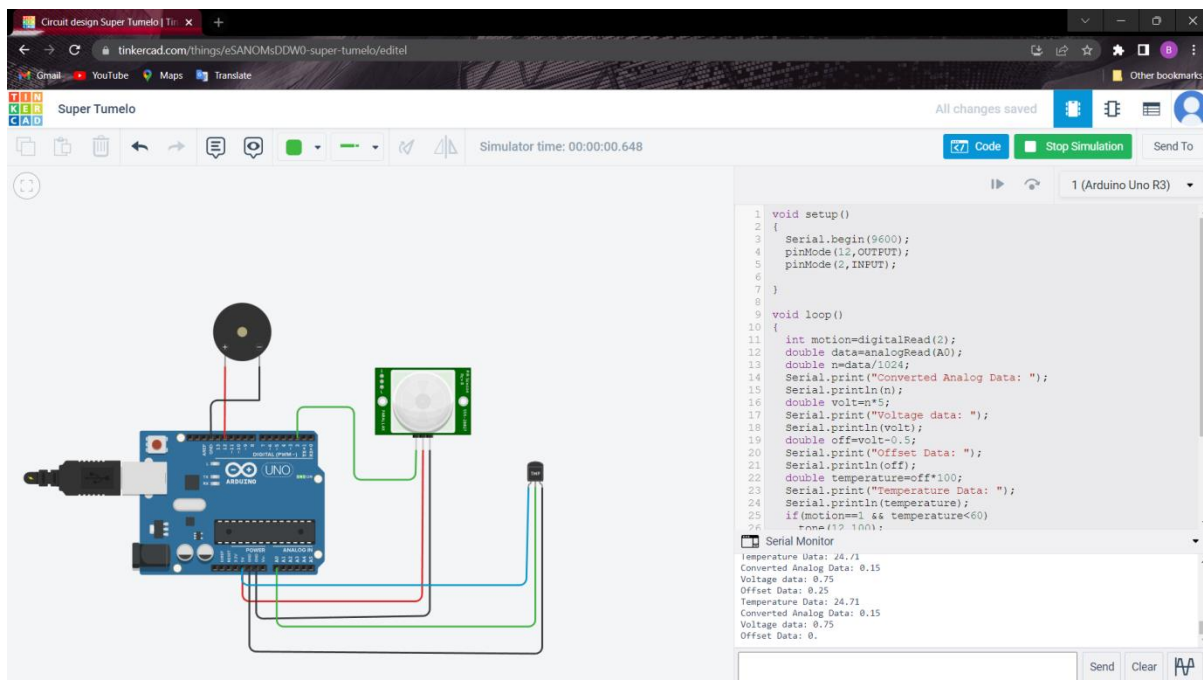
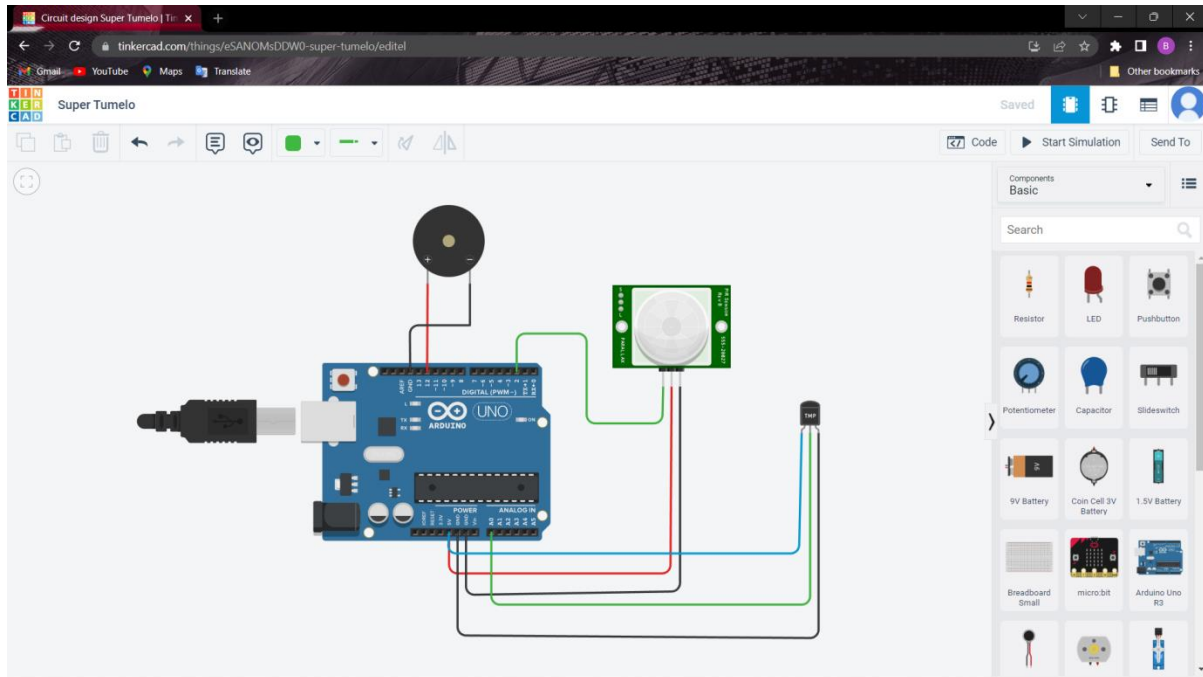


## Circuit with Piezo alarm, PIR sensor, tmp sensor with below functionalities:

1. Alarm should sound in one manner if temp is above 60 C
2. Alarm should sound with another frequency if motion is detected in PIR sensor.



## Code:

```
void setup()
{
    Serial.begin(9600);
    pinMode(12,OUTPUT);
    pinMode(2,INPUT);

}

void loop()
{
    int motion=digitalRead(2);
    double data=analogRead(A0);
    double n=data/1024;
    Serial.print("Converted Analog Signal: ");
    Serial.println(n);
    double volt=n*5;
    Serial.print("Voltage data: ");
    Serial.println(volt);
    double off=volt-0.5;
    Serial.print("Offset Data: ");
    Serial.println(off);
    double temperature=off*100;
    Serial.print("Temperature Data: ");
    Serial.println(temperature);
    if(motion==1 && temperature<60)
        tone(12,100);
    else if(motion==0 && temperature>60)
```

```
tone(12,200);  
else if(motion==1 && temperature>60)  
    noTone(12);  
else if(motion==0 && temperature<60)  
    noTone(12);  
  
}
```

### Video file:



Circuit design  
Super Tumelo \_ Tii