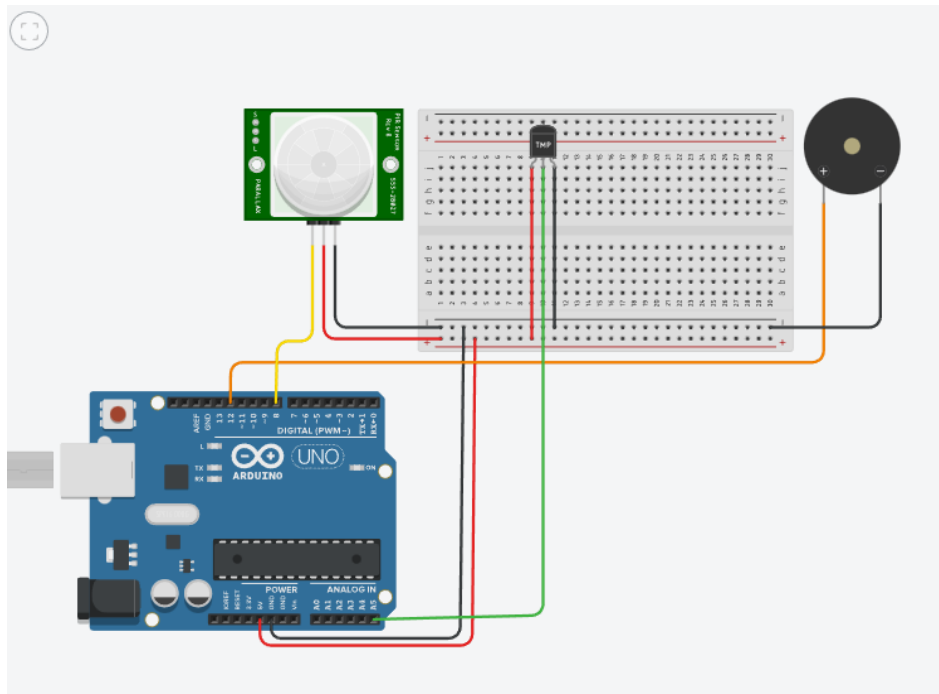


IOT ASSIGNMENT - 1

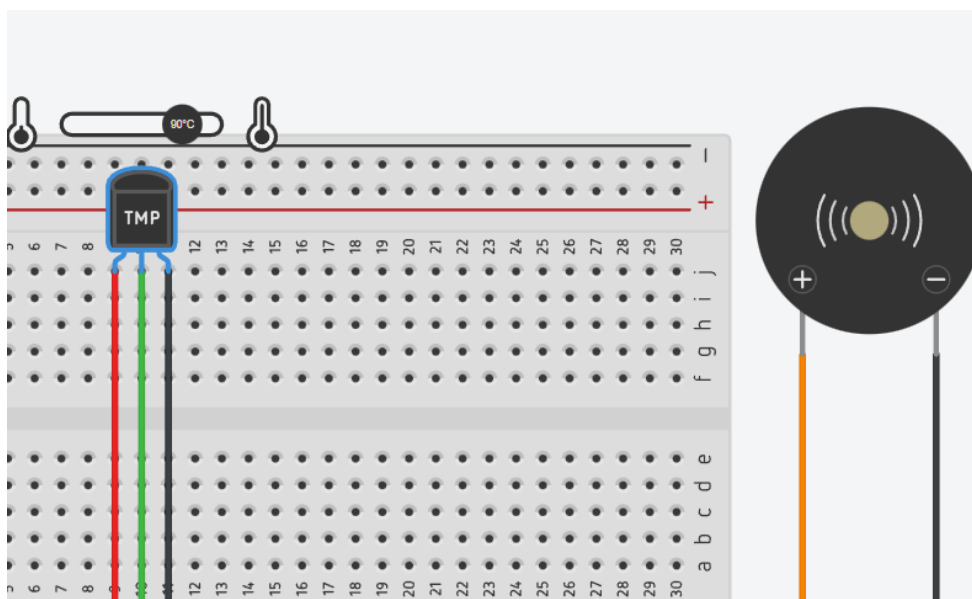
LINK FOR DEMO VIDEO:

<https://youtu.be/qHxK9uX2C2U>

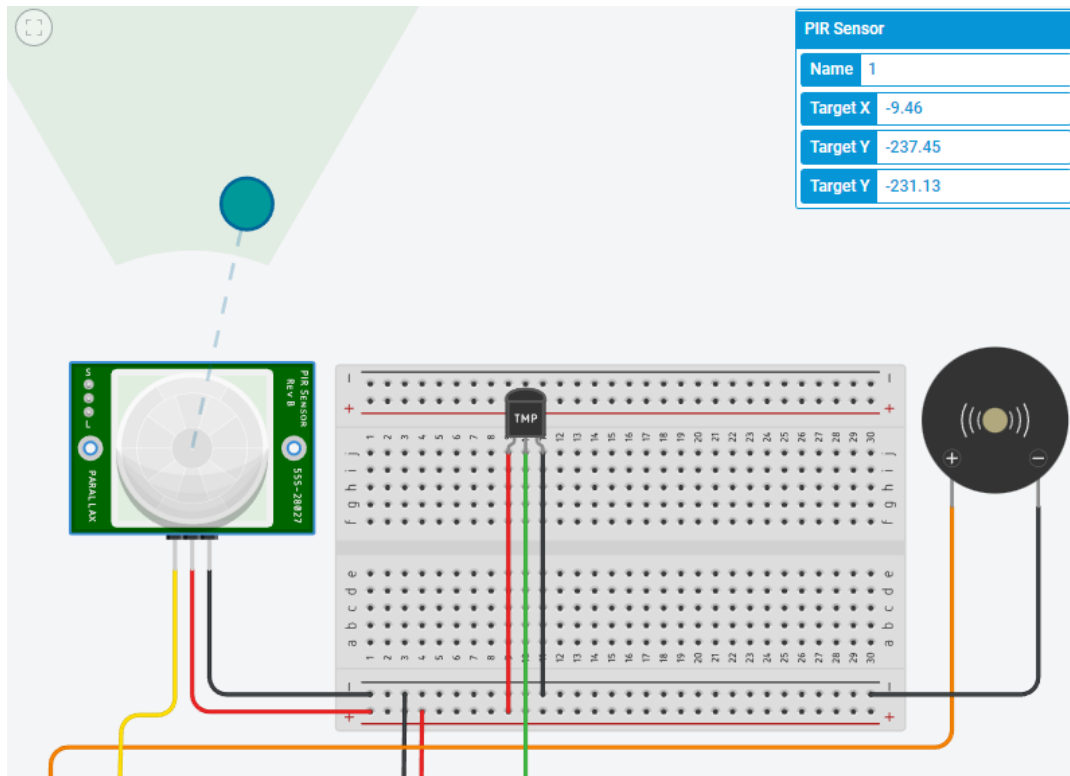
CIRCUIT CONNECTION:



BUZZER START BEEPING WHEN TEMPERATURE GREATER THAN 60 DEGREES:



BUZZER STARTS BEEPING WHEN ANY MOVEMENT OF AN OBJECT IS DETECTED BY PIR SENSOR:



CODE FOR ASSIGNMENT:

```
void setup()
{
  Serial.begin(9600); //baud rate
  pinMode(12,OUTPUT); //set D12 as output(From Arduino To buzzer)
  pinMode(8,INPUT); //set D8 as Input(From PIR sensor to Arduino)
}

void loop()
{
  {
```

```
double data=analogRead(A5);

double n=data/1024;


double volt=n*5; //because connected to 5v


double off=volt-0.5;

double temperature=off*100; //offset value

Serial.print("Temperature data: "); //printing Current Temperature

Serial.println(temperature);

if (temperature <= 60)

    // When temperature is greater than 60 then the buzzer start's beeping

{

    digitalWrite(12,LOW);

}

else

{

    digitalWrite(12,HIGH);

    delay(500);

    digitalWrite(12,LOW);

    delay(500);

}

}

{

int motion=digitalRead(8);
```

```
if (motion==1){  
  Serial.println("Motion is Detected ");  
  digitalWrite(12,HIGH);  
  delay(5000);  
}  
else{  
  Serial.println("No Motion");  
  digitalWrite(12,LOW);  
}  
}  
}
```

// THANK YOU //