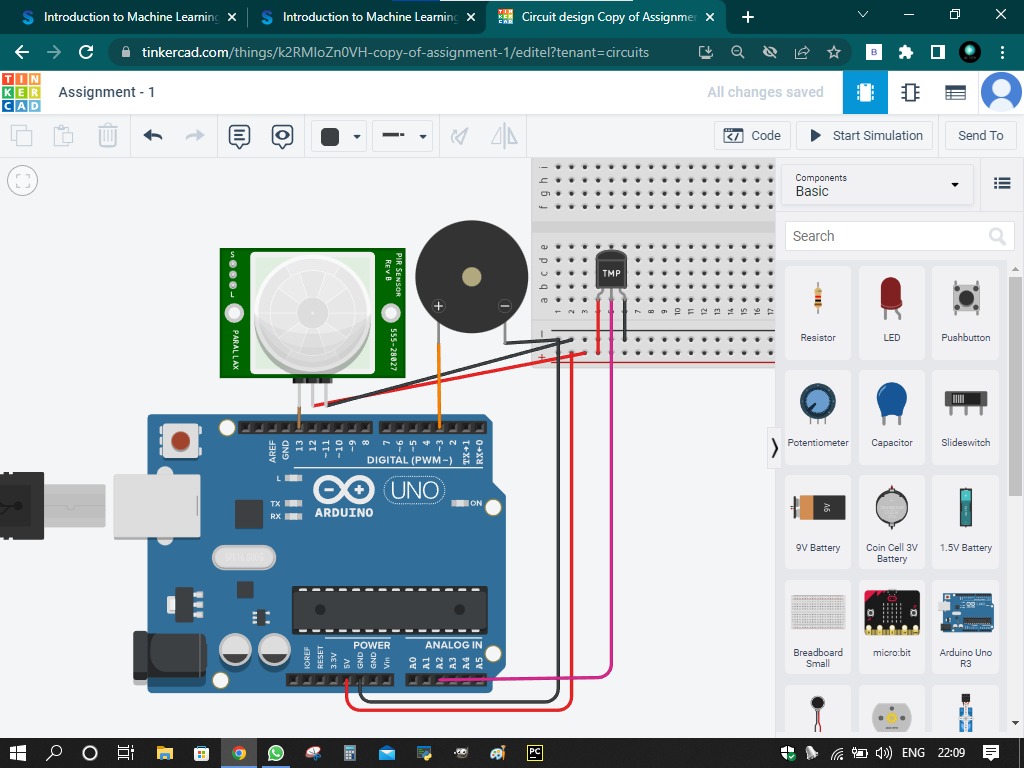
**IOT ASSIGNMENT – 1**

**Circuit Connection:**



**CODE:**

void setup()

{

Serial.begin(9600);

pinMode(3,OUTPUT);

pinMode(13,INPUT);

}

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);

if (temperature <= 60)

{

digitalWrite(3,LOW);

}

else

{

digitalWrite(3,HIGH);

}

}

{

int motion=digitalRead(13);

if (motion==1){

Serial.println("Motion is Detected ");

digitalWrite(3,HIGH);

delay(10000);

}

else{

Serial.println("No Motion");

digitalWrite(3,LOW);

}

}

}