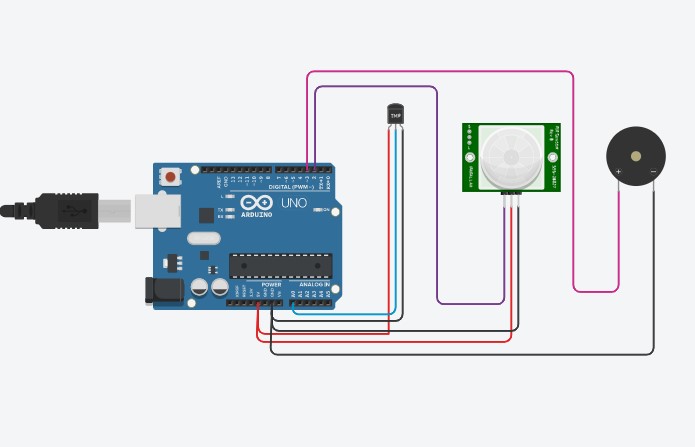
IBM ASSIGNMENT 01

CIRCUIT CONNECTIONS:

**CODE:**

void setup(){

Serial.begin(9600);

pinMode(2,INPUT);

pinMode(3,OUTPUT);

}

void loop(){

double data=analogRead(A0);

double n=data/1024;

double volt=n\*5;

double off=volt-0.5;

double temp=off\*100;

Serial.print("Temperature\_Data= ");

Serial.println(temp);

int motion=digitalRead(2);

if(temp>=60)

{

tone(3,200);

delay(1000);

}

else if (motion==1)

{

tone(3,300);

delay(1000);

}

else

{

noTone(3);

delay(1000);

}

}

OUTPUT:

