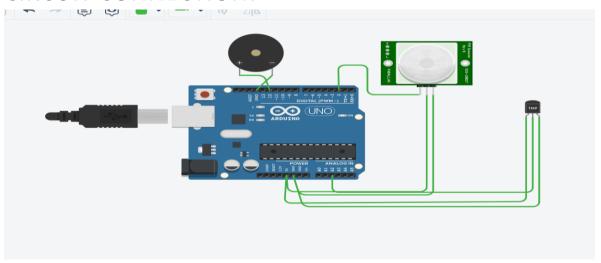
IBM ASSIGNMENT 1

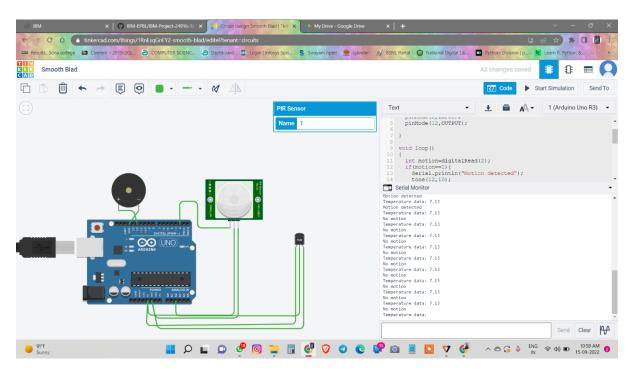
Name: Shafeeq Ahmed S

College: Sona College

CIRCUIT CONNECTION:



OUTPUT:



```
CODE:
void setup()
 Serial.begin(9600);
 pinMode(2,INPUT);
 pinMode(12,OUTPUT);
}
void loop()
{
 int motion=digitalRead(2);
 if(motion==1){
  Serial.println("Motion detected");
  tone(12,10);
  delay(1000);
  noTone(12);
  delay(1000);
 }
 else{
```

```
Serial.println("No motion");
 }
 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>60.00)
 {
  tone(12,100);
  delay(500);
  noTone(12);
  delay(500);
 }
}
```

DEMO LINK:

https://drive.google.com/file/d/1smWMQJnybsgRDTWgri-iwgU-dlq u OR/view?usp=sharing