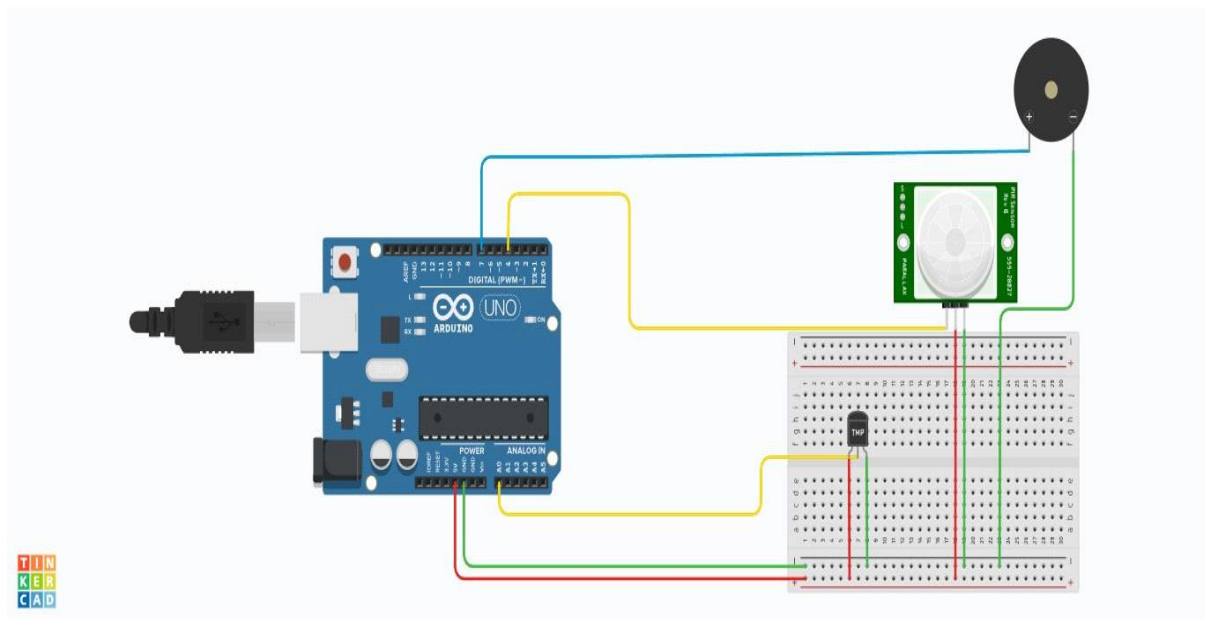


IBM ASSIGNMENT- I

(Personal Assistance for Seniors who are Self-Reliant)

CIRCUIT CONNECTION MADE



Circuit design Fantabulous Leelo x careereducation.smartinternz.com x IoT-B2-2M4E(Evening Session)-U x Inbox (21) - sharmilaudhayakum x +

https://www.tinkercad.com/things/cevqwgQISd9-fantabulous-leelo/edit?tenant=circuits

Fantabulous Leelo

All changes saved

Simulator time: 00:00:14

Code Stop Simulation Send To

1 (Arduino Uno R3)

Breadboard Small

Name 1

```
22 int(temp>=0){
23   digitalWrite(7,HIGH);
24 }
25 else{
26   digitalWrite(7,LOW);
27 }
28 if(motion == HIGH){
29   digitalWrite(7,HIGH);
30   Serial.println("Motion is detected");
31 }
32 else{
33   digitalWrite(7,LOW);
34   Serial.println("Motion is not detected");
35 }
36 delay(1000);
37 }
```

Serial Monitor

Current Temperature: 81.96
Motion is not detected
Current Temperature: 81.96
Motion is not detected
Current Temperature: 81.96
Motion is not detected
Current Temperature: 81.96
Motion is not detected

Send Clear

Fantabulous Leelo...png fantabulous_leelo1...ino Show all x

Type here to search

22:52 23-09-2022

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37 }
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Serial Monitor

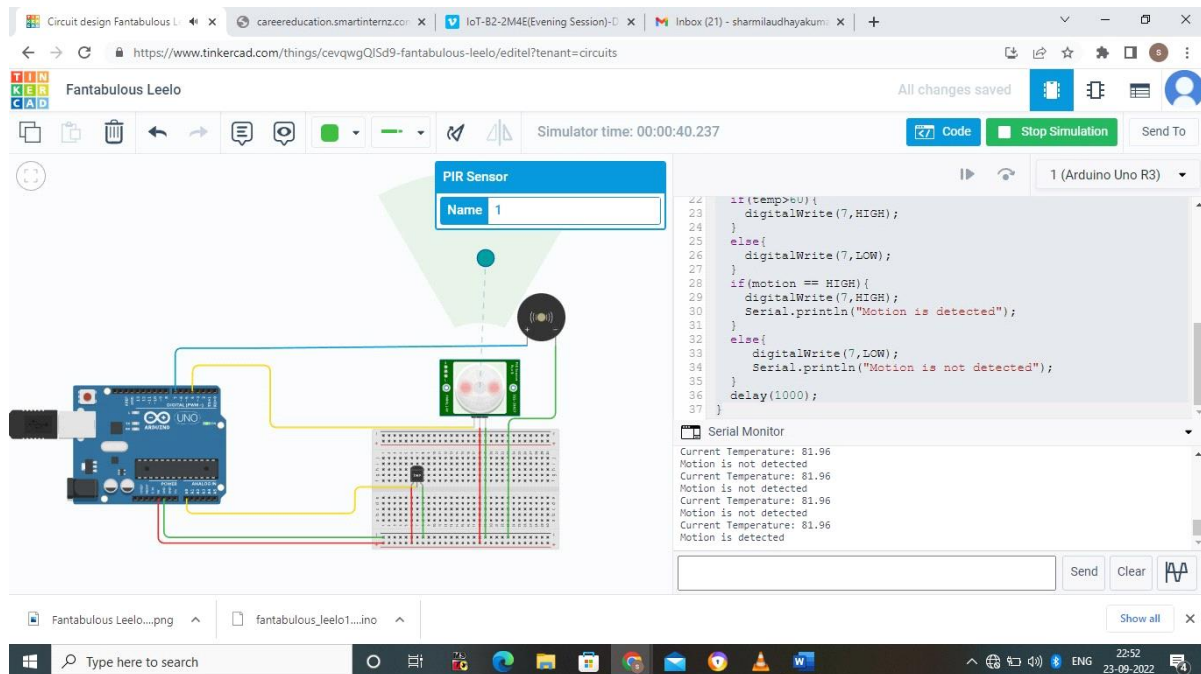
Current Temperature: 81.96
Motion is not detected
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Motion is not detected
Current Temperature: 81.96
Motion is not detected
Current Temperature: 81.96
Motion is not detected

Send Clear

Fantabulous Leelo...png fantabulous_leelo1...ino Show all x

Type here to search

22:52 23-09-2022



CODE

float

vout,vout1,temp;int

motion=0;

void setup(){

pinMode(A0,INPU

T);

pinMode(4,INPUT);

pinMode(7,OUTPU

T);

Serial.begin(9600);

}

void loop(){

vout=analogRead(A0);

vout1=(vout/1023)*50

00;temp=(vout1-

500)/10;

```
motion=digitalRead(4)
;
Serial.print("Current Temperature:
");Serial.print(temp);
Serial.println();
if(temp>60)
digitalWrite(7,HIGH); else
    digitalWrite(7,LOW);
if(motion == HIGH){
digitalWrite(7,HIGH);
    Serial.println("Motion is detected");
}
else{
    digitalWrite(7,LOW);
    Serial.println("Motion is not
detected");
}
delay(1000);
}
```