Date	14 September 2022
Team ID	PNT2022TMID07810
Project Name	IOT Based Safety Gadget for Child Safety Monitoring And Notification
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ASSIGNMENT-1

Build a smart home in Thinkercad with 2 sensors, an Led, buzzer and submit it.

PROGRAM:

```
Void Setup()

{

Serial.begin(9600);

pinMode(12,OUTPUT);

pinMode(2,INPUT);


}


Void loop()

{

Int motion=digital Read(2);

double data=analogRead(A0);

double n=data/1024;

Serial.print("converted Analog Data:");

Serial.println(n);

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

Serial.print(" Voltage data:");

Serial. Print ln(volt);

Double off=volt=0.5;

Serial.print("Offset Data:");

Serial.println(off);
```

```
Double temperature=off*100;

Serial.print("Temperature Data:");

Serial.println(temperature);

if(motion==1&& temperature<60)

    tone(12,100);

else if(motion==0&& temperature>60)

     tone(12,200);

else if(motion==1&& temperature>60)

     no Tone(12);

else if(motion==0&& temperature<60)

    no Tone (12);


}
```

 OUTPUT: