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| Date | 14 October 2022 |
| Team ID | PNT2022TMID45285 |
| Project Name | IoT Based Gadget child safety monitoring and notification |
| Name | M.AMRETHA |

Assignment -1

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

CODE:

Void setup()

Serial.begin(9600); pinMode(12,OUTPUT). pinMode(2,INPUT);

Void loop()

Int motion-digitalRead(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.println(volt):

Double off-volt-0.5

Serial.print(“Offset Data: “);

Serial.printin(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)

noTone(12);

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

noTone(12):

Output:





