NAAN MUDHALVAN-IBM

ASSIGNMENT 1

TRACK-IOT

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TOPIC-BUILD A SMART HOME IN WOKWI WITH MINIMUM TWO SENSORS, LED AND BUZZER.

WOKWI LINK -https://wokwi.com/projects/362713164808431617 CODE

#include <Servo.h>

Servo lockservo;

int servoPin=9;

int pirPin=2;

int ledPin=3;

int buzzerPin=4;

int state=0;

void setup() {

pinMode(pirPin, INPUT);

lockservo.attach(servoPin);\

pinMode(ledPin, OUTPUT);

pinMode(buzzerPin, OUTPUT);

Serial.begin(9600);

}

void loop() {

state=digitalRead(pirPin);

if (state==HIGH)

{

lockservo.write(90);

tone(buzzerPin,2000);

delay(5000);

lockservo.write(0);

noTone(buzzerPin);

{

digitalWrite(3,HIGH);

delay(1000);

}

}

else

lockservo.write(0);

noTone(buzzerPin);

{

digitalWrite(ledPin,LOW);

}

}

