

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);
}
}

```

