

# ASSIGNMENT 1

Date	30 October 2022
Team ID	PNT2022TMID14470
Roll No	711319EC0119

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

```
int valor_limite = 650;
const int buzzer = 6;
void setup() {
  Serial.begin(9600);
  pinMode(8, OUTPUT);
  pinMode(7, OUTPUT);
  pinMode(buzzer, OUTPUT);
}

void loop() {
  Serial.println(analogRead(A0));

  if(analogRead(A0) > valor_limite){
    digitalWrite(8, LOW);
    digitalWrite(7, HIGH);
    tone(buzzer, 1200);
    delay(500);
  }
  else{
    digitalWrite(8, HIGH);
    digitalWrite(7, LOW);
    noTone(buzzer);
    delay(500);
  }
  delay (1000);
}
```

# OUTPUT

