## Assignment 1

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

```
void setup()

{
  Serial.begin(9600);
  pinMode(8,OUTPUT);
pinMode(0, INPUT);
pinMode(2,OUTPUT);
pinMode(7, INPUT);
pinMode(4,OUTPUT);
}
void loop()
{
 if (digitalRead(7)==1)
 {

tone(4, 523, 1000); // play tone 60 (C5=523 Hz)

}
else
 {
   noTone(4);
 }
 delay(10);
 int temp=analogRead(A0);

 if (temp>50)
 {
   tone(8, 1000);
digitalWrite(2,HIGH);
   delay(2000);
 }
 else
```

```
  {
   noTone(8);
   digitalWrite(2,LOW);
   delay(2000);
  }
}
```