

## ASSIGNMENT 1

### Build a smart home in tinkercad

Assignment Date	14 November 2022
Student Name	Suruthika M
Student Roll Number	512219104019
Maximum Marks	2 Marks

**Question:**

Build a smart home in tinkercad use atleast 2 sensors, led, buzzer in a circuit. Simulate in a single code.

**Code:**

#Assignment1:

```
int pirsensor = 0;
void setup()
{
    pinMode(2,INPUT);
    pinMode(12,OUTPUT);
    pinMode(13,OUTPUT);
}
void loop()
```

```
{  
    pirsensor = digitalRead(2);  
    if(pirsensor == HIGH)  
    {  
        //glow led  
        digitalWrite(13,HIGH);  
        //ring buzzer  
        tone(12,500,500);  
    }  
    digitalWrite(13,LOW);  
}
```

