

## Assignment-1

### Question-1:

*Make a Smart Home in Tinkercad, using 2+ sensors, Led, Buzzer in single code and circuit.*

### Solution:

#### Code:

```
void setup()
{
  Serial.begin(9600);
  pinMode(4,INPUT);
  pinMode(8,OUTPUT);
  pinMode(13,OUTPUT);

}

void loop()
{
  int p=digitalRead(4);
  Serial.println(p);
  if(p)
  {
    digitalWrite(13,1);
    Serial.println("motion detected");
```

**Circuit:**

