

**Assignment -1**  
Tinkercad Simulation

Assignment Date	9 September 2022
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Maximum Marks	2 Marks

**Question-1:**

Build a smart home in Tinkercad using two or more sensors, LED, buzzer in single code and circuit

```
void setup()
{
  Serial.begin(9600);
}

void loop()
{
  int a=analogRead(A0);
  int b=map(a,0,1023,0,255);
  Serial.println(b);
  if(b>70)
  {
    Serial.println("smoke detected");
  }
}
```

Circuit design Fantabulous Dens: x +

tinkercad.com/things/ijnT1zV8dOA-fantabulous-densor-vihelmo/editel?tenant=circuits

Gmail YouTube Maps Translate

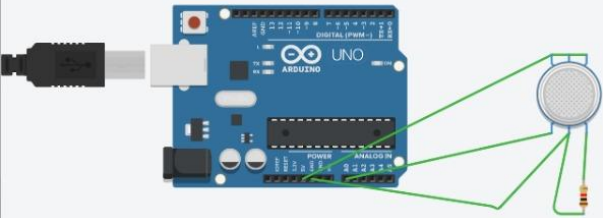
Fantabulous Densor-Vihelmo

All changes saved

Code Start Simulation Send To

Gas Sensor

Name 1



```
1 void setup()
2 {
3   Serial.begin(9600);
4 }
5
6 void loop()
7 {
8   int a=analogRead(A0);
9   int b=map(a,0,1023,0,255);
10  Serial.println(b);
11  if(b>85)
12  {
13    Serial.println("smoke detected");
14  }
15 }
```

Serial Monitor

smoke detected  
90  
smoke detected  
90  
smoke detected  
90  
smoke detected  
90

Send Clear