

Assignment-1

Gas Leakage monitoring & Alerting system for Industries

Make smart home with atleast 2 sensors and led, buzzer. In tinkercad

```
Int gasSensor=A1;
```

```
Int buzzer=13;
```

```
Int led=12;
```

```
Void setup()
```

```
{
```

```
  pinMode(A1,INPUT);
```

```
  pinMode(buzzer,OUTPUT);
```

```
  pinMode(led,OUTPUT);
```

```
  Serial.begin(9600);
```

```
}
```

```
Void loop()
```

```
{
```

```
  Int sensorValue=analogRead(gasSensor);
```

```
  Serial.print("GAS LEVEL:");
```

```
  Serial.println(sensorValue);
```

```
  Delay(1000);
```

```
  If (sensorValue>250)
```

```
  {
```

```
    digitalWrite(buzzer,HIGH);
```

```
    digitalWrite(led,HIGH);
```

```
  }
```

```
Else
```

```
{
```

```
  digitalWrite(buzzer,LOW);
```

```
  digitalWrite(led,LOW);
```

}

}

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