



## First coding part

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

}

void loop()
{
  int voltage=analogRead(A0);
  Serial.println(voltage);

}
```

```
1 // C++ code
2 //light on off with sensor
3 int light=12;
4 void setup()
5 {
6   Serial.begin(9600);
7   pinMode(light,OUTPUT);
8 }
9
10 void loop()
11 {
12   int voltage=analogRead(A0);
13   Serial.println(voltage);
14   if(voltage<400){
15     digitalWrite(light,HIGH);
16   }
17   else{
18     digitalWrite(light,LOW);
19   }
20 }
21 }
```

## Second code

```
int light=12;
void setup()
{
  Serial.begin(9600);
  pinMode(light,OUTPUT);
}

void loop()
{
  int voltage=analogRead(A0);
  Serial.println(voltage);
  if(voltage<400){
    digitalWrite(light,HIGH);
  }
  else{
    digitalWrite(light,LOW);
  }
}
```