

```
/*  
  
Statement      :Make a light intensity meter that represent  
light intensity on 5 LEDs, such that all LEDs would glow for  
maximum light, no LED would glow for dark condition, and  
likewise for in between light intensities.
```

```
int ldrPin=A0;
```

```
int led[]={2,3,4,5,6};
```

```
int loopLed =5;
```

```
void setup(){
```

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

```
    for(int i=0;i<= loopLed;i++){
```

```
        pinMode(led[i],OUTPUT);
```

```
        digitalWrite(led[i],LOW);
```

```
    }
```

```
}
```

```
void loop(){
```

```
    int sensorValue=analogRead(ldrPin);
```

```
    int threshold=500;
```

```
if(sensorValue>threshold){  
    for(int i=0;i<loopLed;i++){  
        digitalWrite(led[i],HIGH);  
    }  
}  
  
else{  
    for(int i=0;i<loopLed;i++){  
        digitalWrite(led[i],LOW);  
    }  
}  
  
delay(500);  
}
```