```
/*

Experiment No. :    03

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.

Date of Exp.   :    xx/xx/xxxx

Author         :    Vedanti Pote(A-11)
```

Code Snippet

```arduino
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);
    }
```