dfExperiment No. : 3

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 :

Author :Saachi Bhutada (A-51)

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);

  }



