Experiment No. : 4

Statement Make a street light controller...

Date of Exp : Fade and brighten 5 LEDs alternatively.

Author :Saachi Bhutada (A-51)

int led[]={3,5,6,9,10};

int ledLoop=5;

void setup(){

for(int i=0;i<ledLoop;i++){

pinMode(led[i],OUTPUT);

}

}

void loop(){

for(int i=0;i<ledLoop;i++){

FadeAndBrighten(led[i]);

}

}

void FadeAndBrighten(int ledpin){

for(int brightness=0;brightness<=255;brightness++){

analogWrite(ledpin,brightness);

delay(10);

}

delay(50);

for(int brightness=255;brightness>=0;brightness--){

analogWrite(ledpin,brightness);

delay(10);

}

delay(200);

  }



