/\*

Experiment No. : 04

Statement : Fade and brighten 5 LEDs alternatively.

Date of Exp. : xx/xx/xxxx

Author : Jagruti Bhoyar (A-08)

\*/

/\* Code \*/

int LED\_PIN1 = 11;

int LED\_PIN2 = 10;

int LED\_PIN3 = 6;

int LED\_PIN4 = 5;

int LED\_PIN5 = 3;

void setup() {

pinMode(LED\_PIN1, OUTPUT);

pinMode(LED\_PIN2, OUTPUT);

pinMode(LED\_PIN3, OUTPUT);

pinMode(LED\_PIN4, OUTPUT);

pinMode(LED\_PIN5, OUTPUT);

}

void loop() {

for (int i = 0; i <= 255; i+=5) {

analogWrite(LED\_PIN1, i);

analogWrite(LED\_PIN2, i);

analogWrite(LED\_PIN3, i);

analogWrite(LED\_PIN4, i);

analogWrite(LED\_PIN5, i);

delay(30);

}

for (int i = 255; i >= 0; i-=5) {

analogWrite(LED\_PIN1, i);

analogWrite(LED\_PIN2, i);

analogWrite(LED\_PIN3, i);

analogWrite(LED\_PIN4, i);

analogWrite(LED\_PIN5, i);

delay(30);

}

}



