**LAB : 1,2**

**CA LAB TASK**

**NIMRA JAMIL 10187**

CODE:

int led\_red = 2; // the red LED is connected to Pin 2 of the Arduino

int led\_blue = 3;

void setup() {

// set up all the LEDs as OUTPUT

pinMode(led\_red, OUTPUT);

pinMode(led\_blue, OUTPUT);

}

void loop() {

for(int brightness = 1 ;brightness <= 255;brightness++ ){

analogWrite(led\_red,brightness);

delay(10);

}

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

analogWrite(led\_blue,brightness);

delay(20);

}

}





