**Name – Parag Gattani**

Program No. – 03

Program Title – LED fading without potentiometer

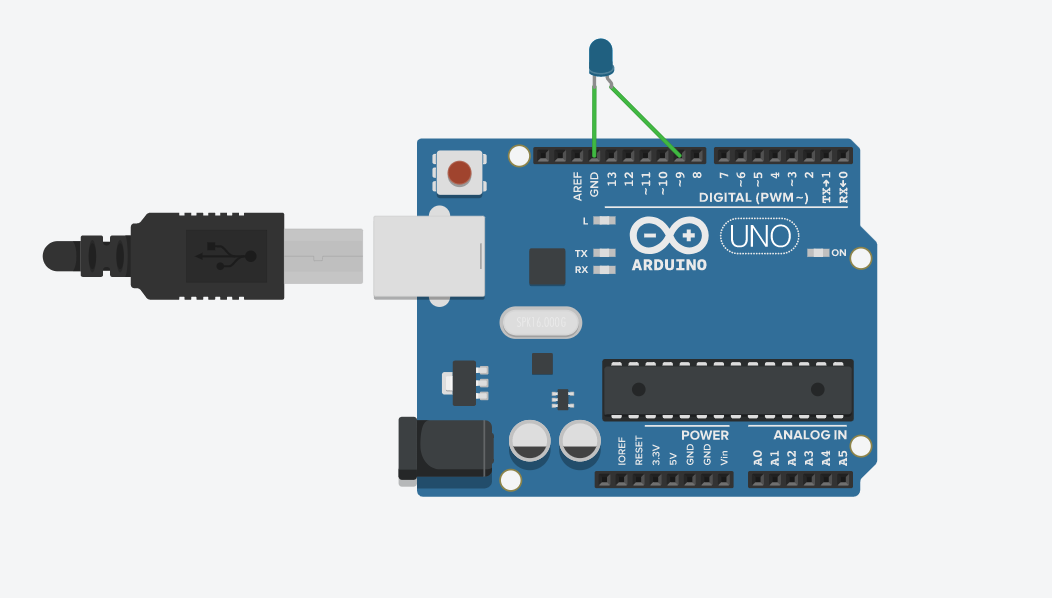
**AIM**

Demonstrate to show LED fading.

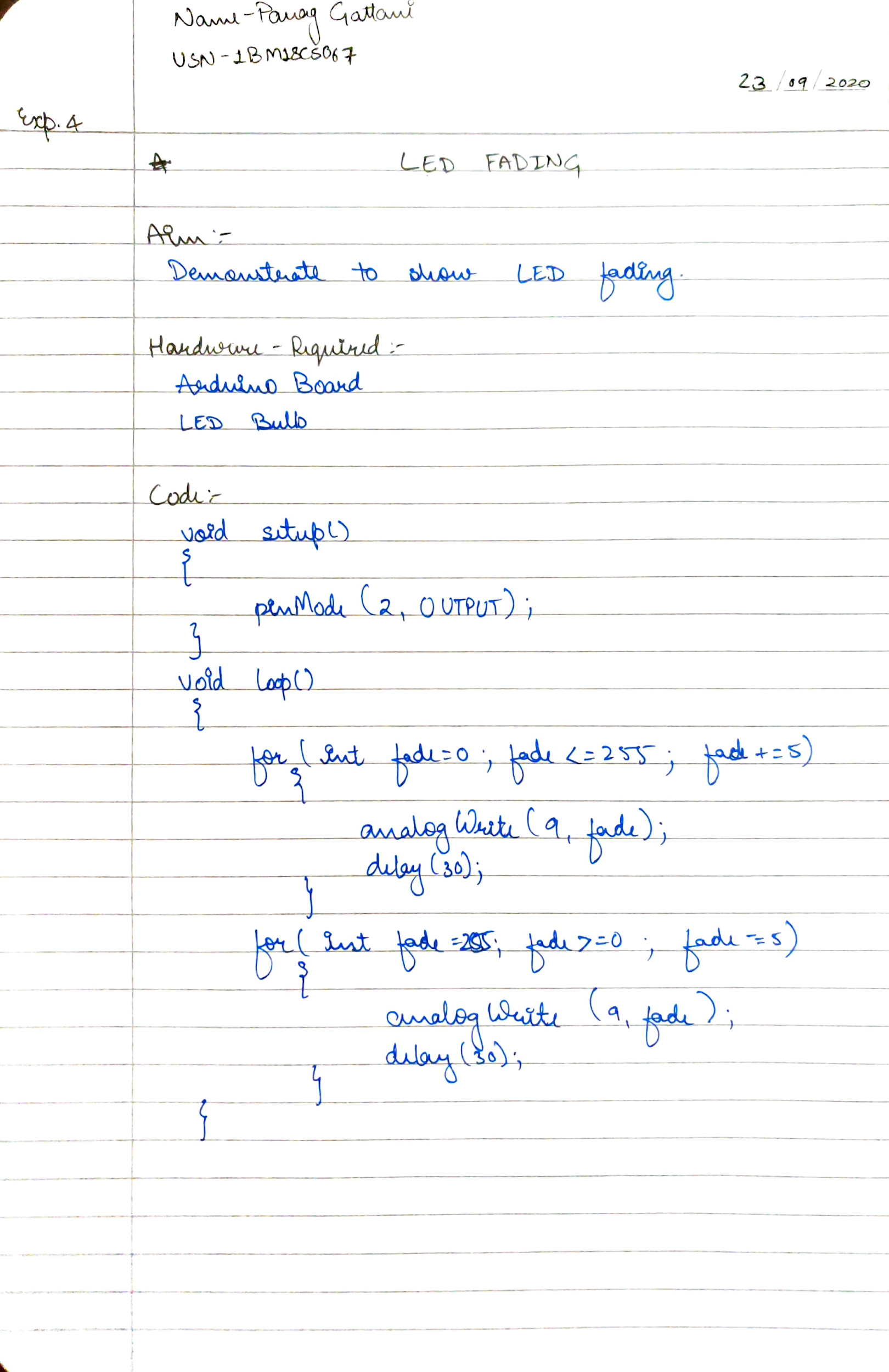
**HARDWARES REQUIRED**

* Arduino Board
* LED bulb

**CIRCUIT DIAGRAM**

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**WRITE-UP**

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**CODE**

void setup()

{

pinMode(2, OUTPUT);

}

void loop()

{

for(int fade =0;fade <=255; fade+=5)

{

analogWrite(9,fade);

delay(30);

}

for(int fade = 255; fade>=0;fade-=5)

{

analogWrite(9, fade);

delay(30);

}

}

**OUTPUT**

Fading of LED.