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Program No. – 03

Program Title – LED fading without potentiometer

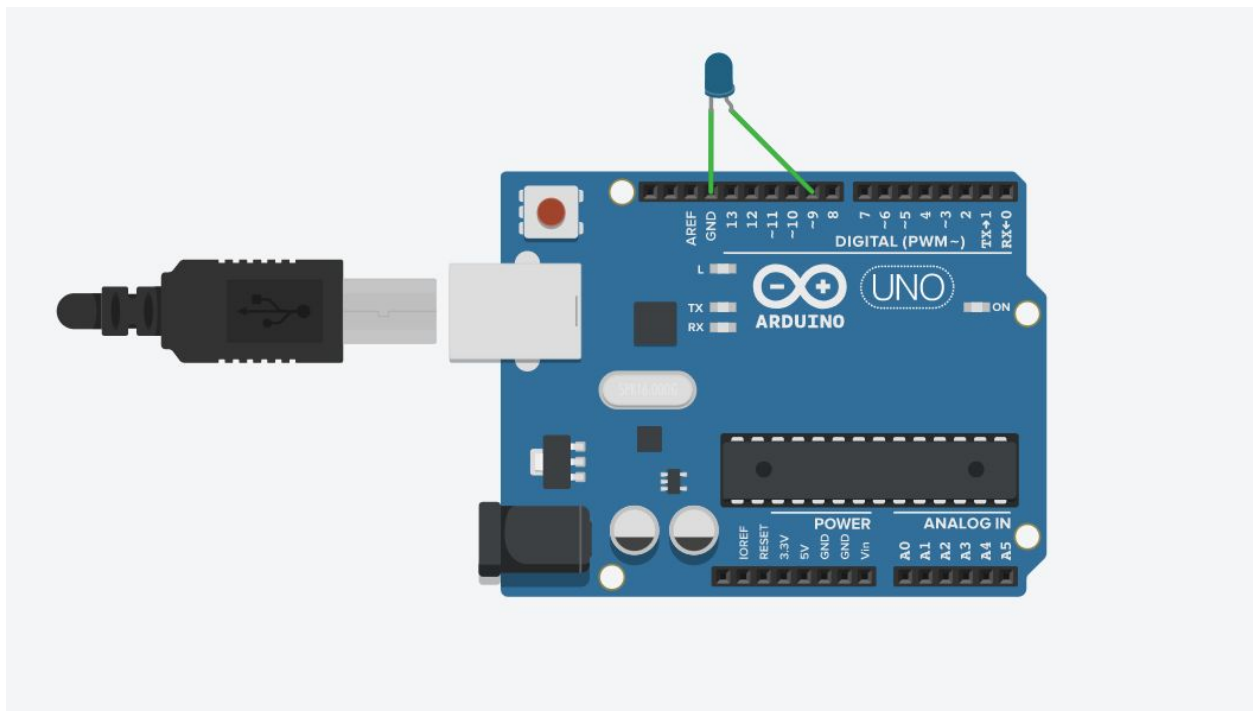
AIM

Demonstrate to show LED fading.

HARDWARES REQUIRED

- Arduino Board
- LED bulb

CIRCUIT DIAGRAM



WRITE-UP

PFA

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.