```
/*

Experiment No. :    04

Statement       :    Fade and brighten 5LEDs alternatively.

Date of Exp.    :    xx/xx/xxxx

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*/


int ledPins[] = {11,10,9,6,5};

int ledCount = 5;

void setup()

{

  for(int i=0; i < ledCount; i++)

  {

    pinMode(ledPins[i],OUTPUT);

  }

}

void fadeLed(int pin)

{

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

  {

    analogWrite(pin,brightness);

    delay(30);

  }
```

```
for (int brightness = 255; brightness >= 0; brightness -=5)

  {

    analogWrite(pin,brightness);

    delay(30);

  }

}

void loop()

{

  for (int i=0 ; i < ledCount ; i++)

  {

    fadeLed(ledPins[i]);

  }

}
```