Program no. - 4

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IBM18CSO29

Program title - LED fading ~~using~~ without using potentiometer

Aim : Make LED fade and brighten up, without using potentiometer.

Hardware required :

→ Arduino Board

→ LED

→ wires

Code :

```
int brigthness = 0;
void setup()
{
    pinMode(9, OUTPUT);
}

void loop()
{
    for (brightness = 0; brightness <= 255; brightness + =10)
    {
        analogWrite(9, brightness);
        delay(50);
    }
```

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```
for ( brightness = 255 ; brightness >= 0 ; brightnen -- = 10)
{
    analogWrite (9, brightnen);
    delay (50);
}
}
```

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