

Prgm - 4 Sharan Ram D.B.
LED Fading (without Pot) 13M18C8097.

Aim- Demonstrate LED fading.

Hardware reqd- Arduino Board, LED, wires.

Code-

```
void setup()
{
  pinMode(9, 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);
  }
}
```

Sharan Ram D.B.