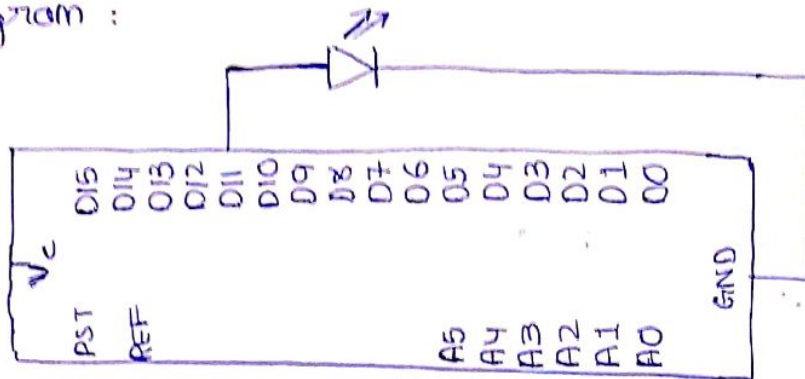


Aim: Demonstrate fading of a LED

HARDWARE REQUIRED : Arduino Board , LED, Connecting Wire, resistor

Circuit Diagram :



CODE :

```

int brightness = 0
void setup ( )
{ pinMode (11, OUTPUT); }

void loop ( )
{ for (brightness = 0 ; brightness <= 255 ; brightness += 5)
  { analogWrite (11, brightness);
    delay (30); }

  for (brightness = 255; brightness >= 0 ; brightness -= 5)
  { analogWrite (11, brightness);
    delay (30); } }

```

Vivek