SARVESHMURTHY
1BM18CS144

No: Date:

Program : 3 – Fading LED using Potentiometer

Aim: Demonstrate a fading LED (analog output)

Hardware requirements: Ardeuino Board, LED, connecting wire, resistor.

Code:-

```
void setup()
{  Serial.begin(9600)
   pinmode (9, OUTPUT); }
void loop()
{  int analog = analog Read (A0);
   int brightness = map (analog, 0,1023, 0, 255);
   analog Write (a, brightness);
   serial.print ("\n Analog values: ");
   serial.print (analog);
   serial.print ("\n Brightness value");
   serial.print (brightness); }
```