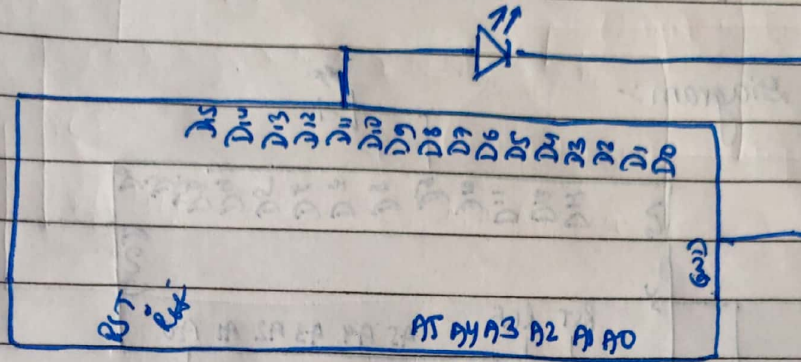Program: 4   :- fading LED

Aim :- Demonstrate fading of a LED

Hardware Required :-   Arduino board, LED, connecting wires, resistor

Circuit :-

Code :-

```
int brightness = 0
void setup() {
    pinmode (11, output); }

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

for (brig brightness =255; brightnen >=0 ; brightnen =5)
    {  analogwrite (11, brightnen);
    delay (30); }.
}.
```