Shaan Subbaiah B C - 1BM18CS096

Program no - 03

Program Title – Fade

Aim

To fade an LED on and off

Hardware Required

- Arduino Board
- LED
- 240 Ohm Resistor

Circuit Diagram

All changes saved

Start Simulation

Feet

Would accupe?

Freet

Fore(int 1=0) 4<2509 1=-10) {
Start Simulation (Export Share S

Code:

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

void loop()
{
```

```
for(int i=0; i<255; i+=10){
  delay(100);
  analogWrite(9, i);
}
for(int i=255; i>0; i-=10){
  delay(100);
  analogWrite(9, i);
}
}
```

Observation / Output

LED is faded on and off.