

Shaan Subbaiah B C - 1BM18CS096

Program no – 03

Program Title – Fade

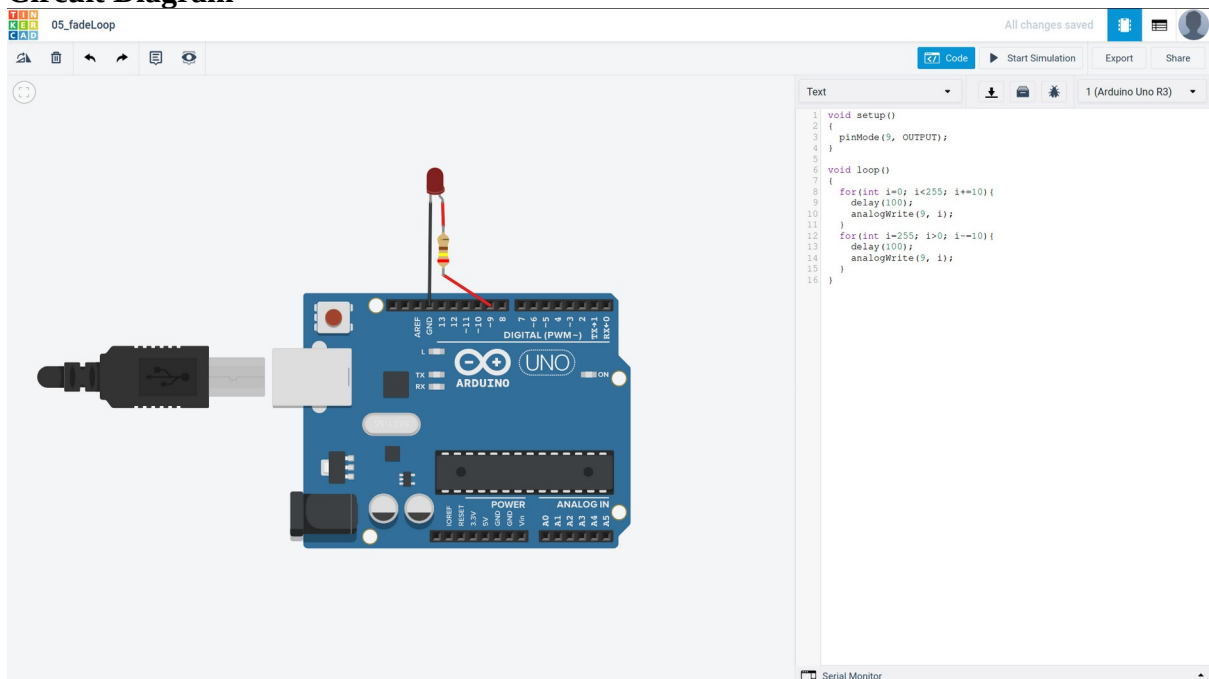
Aim

To fade an LED on and off

Hardware Required

- Arduino Board
- LED
- 240 Ohm Resistor

Circuit Diagram



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.