

Program no _____5_____

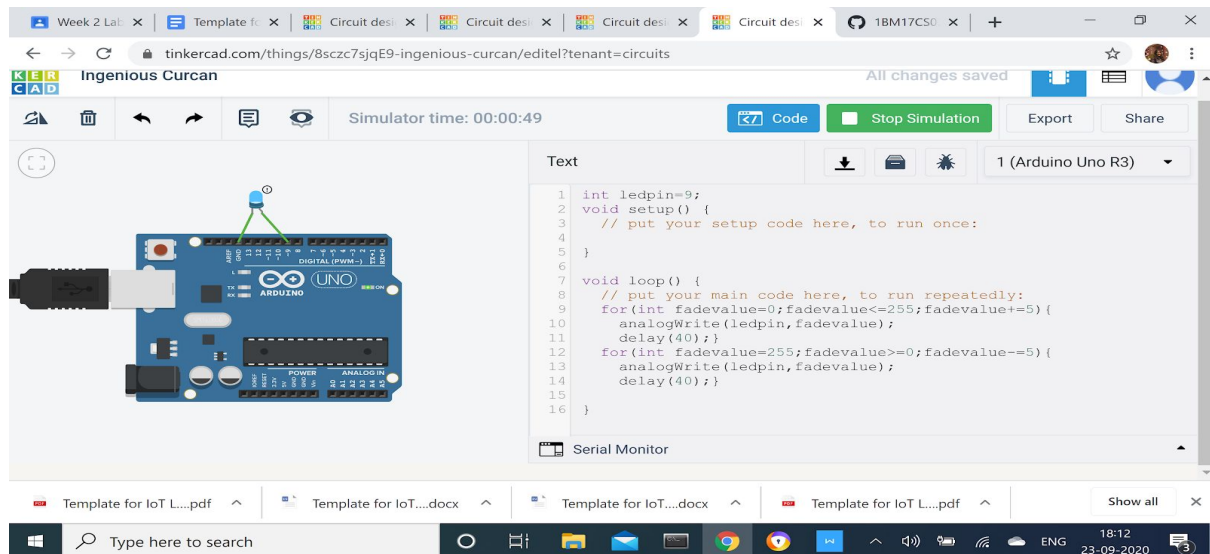
Program Title _____LED facing_____

Aim

Hardware Required

- Arduino Board
- Blue LED
-

Circuit Diagram



Code:

```
int ledpin=9;

void setup() {
  // put your setup code here, to run once:

}

void loop() {
  // put your main code here, to run repeatedly:
  for(int fadevalue=0;fadevalue<=255;fadevalue+=5){
    analogWrite(ledpin,fadevalue);
    delay(40);}
  for(int fadevalue=255;fadevalue>=0;fadevalue-=5){
    analogWrite(ledpin,fadevalue);
    delay(40);}

}
```

Observation /Output:

The lights fades in and fades out according to the delay.