Name - Parag Gattani

Program No. – 02

Program Title - Traffic Controller

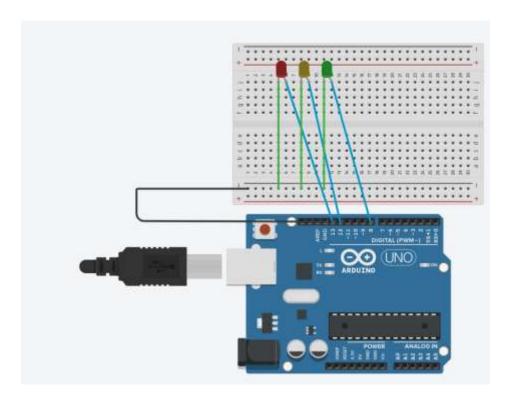
AIM

Traffic Signal Simulator.

HARDWARES REQUIRED

- Arduino Board
- LEDs
- Breadboard

CIRCUIT DIAGRAM



WRITE-UP

Exp. No2	
	TRAFFIC CONTROLLER
	ARm: Traffee organal Semulator.
	Mardioane Riguired:
	· Ardino Board
	· LEDs
	· Bread Board
	CODE :-
	void satupes
	}
	pen Mode (13, OUTPUT);
	penMode (12, OUTPUT);
	pin Mode (8, OUTPUT);
	1
	void ped ()
	3
	digetal write (13, HIGH);
	directal Weste (12, LOW);
	destal write (8, LOW);
	3
	() wally bar
	3 destal Wrate (13, coas);
	distal white (12, HIGH);
	destal write (8, cow);
	1
	vold gum ()
	digetal Write (13, cow);
	destal Write (12, LOW);
	digital Write (13, cow); digital Write (12, cow); digital Bute (8, HEGH);
	J

```
Name - Parag Gattani
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Void (sep())

Gud ();

dulay (3000);

villay (150);

dulay (3000);

villay (150);

dulay (150);
```

CODE

```
void setup()
{
  pinMode(13, OUTPUT);
  pinMode(12,OUTPUT);
  pinMode(8,OUTPUT);
}
```

```
void red()
{
 digitalWrite(13, HIGH);
 digitalWrite(12,LOW);
 digitalWrite(8,LOW);
}
void yellow()
{
 digitalWrite(13, LOW);
 digitalWrite(12,HIGH);
 digitalWrite(8,LOW);
}
void green()
{
 digitalWrite(13, LOW);
 digitalWrite(12,LOW);
 digitalWrite(8,HIGH);
}
void loop()
```

```
{
  red();
  delay(3000);
  yellow();
  delay(1500);
  green();
  delay(3000);
  yellow();
  delay(1500);
}
```

OUTPUT

All the three LEDs blink one after the other at an interval of 1000ms.