

Name - Pooja Gattani
USN - 13M18CS067

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Exp. No. - 2

TRAFFIC CONTROLLER

Aim:- Traffic signal simulator.

Hardware Required:-

- Arduino Board
- LEDs
- Bread Board

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);
```

```
}
```

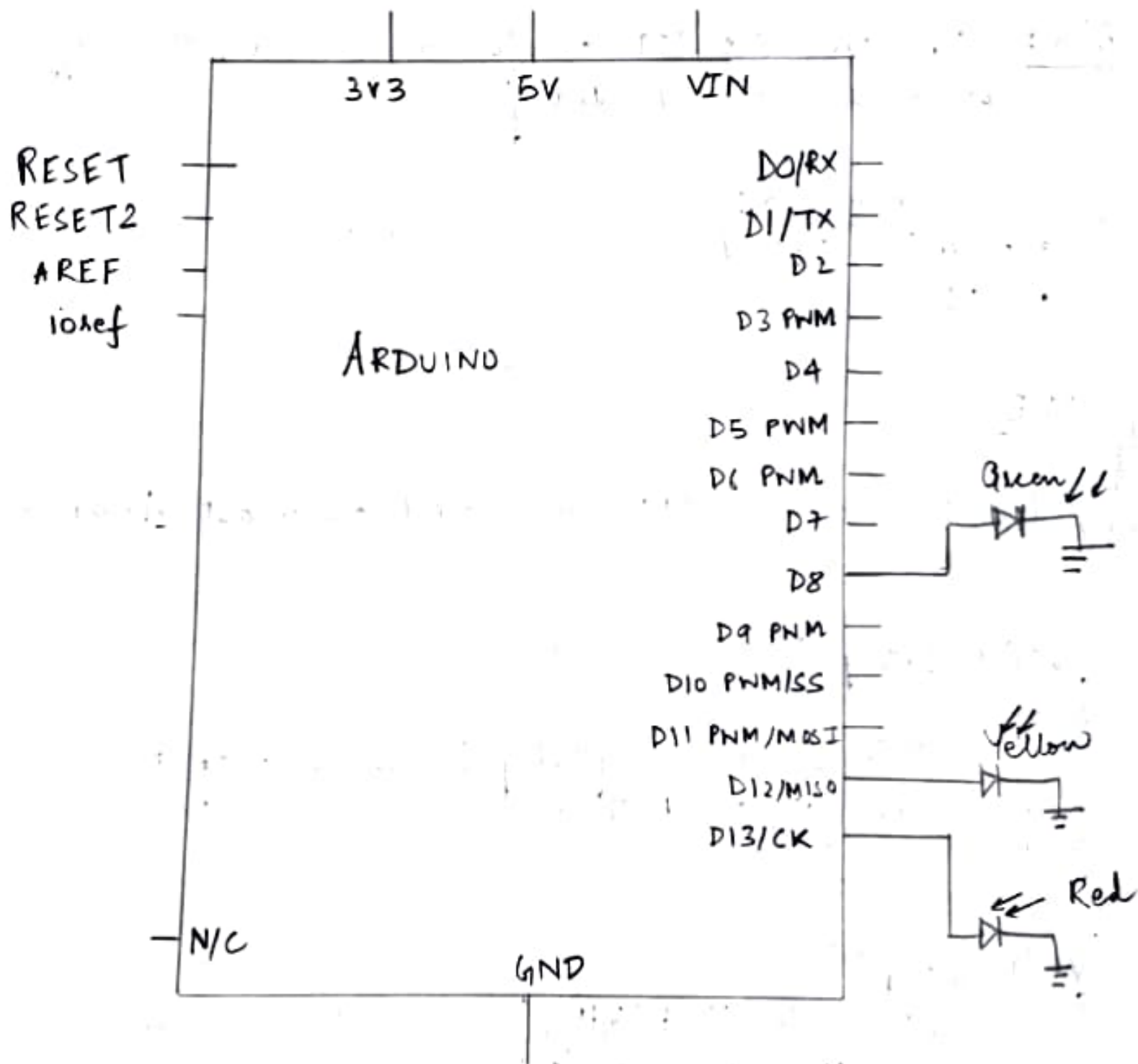
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USN - 2BM18CS067

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```
void loop()  
{
```

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

```
}
```



Arduino Traffic Light Circuit