

16-09-2020

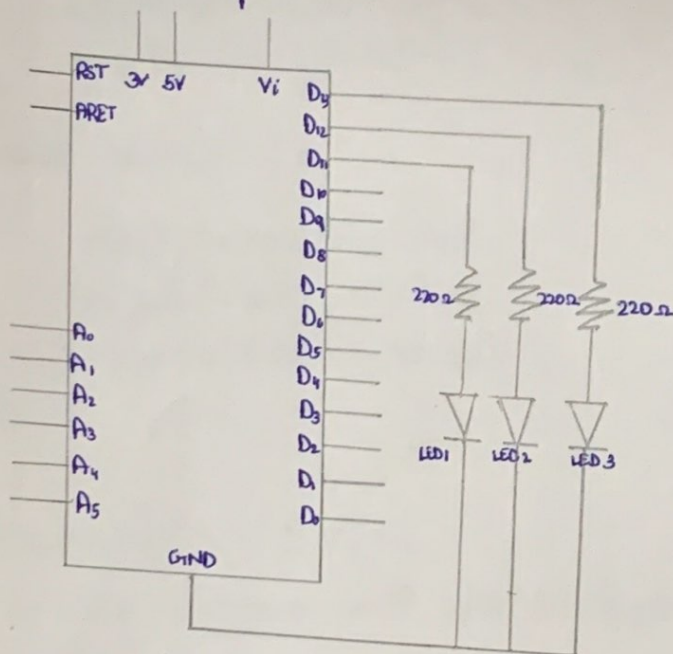
## PROGRAM - 2

Title: Traffic Light

Aim: To demonstrate working of traffic light.

Hardware Required: Arduino Board, Bread Board, Resistors, Wires, RGB LED's.

Circuit Diagram:



Code:

```
void setup()
{
  pinMode (11, OUTPUT);
  pinMode (12, OUTPUT);
  pinMode (13, OUTPUT);
}

void loop()
{
  redlight();
  delay(5000);
  yellowlight();
  delay(2000);
  greenlight();
  delay(5000);
}
```

```
void greenlight()
```

```
{
```

```
  digitalWrite(11, HIGH);
```

```
  digitalWrite(12, LOW);
```

```
  digitalWrite(13, LOW);
```

```
}
```

```
void yellowlight()
```

```
{
```

```
  digitalWrite(11, LOW);
```

```
  digitalWrite(12, HIGH);
```

```
  digitalWrite(13, LOW);
```

```
}
```

```
void redlight()
```

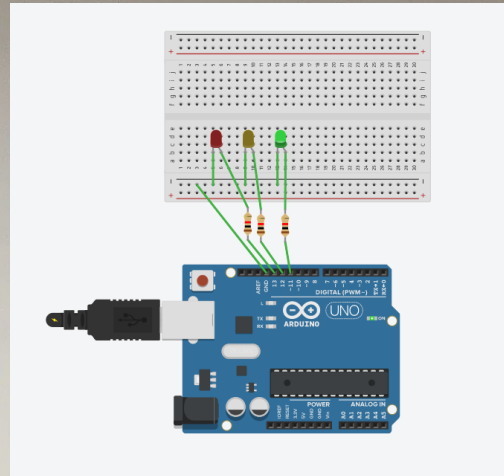
```
{
```

```
  digitalWrite(11, LOW);
```

```
  digitalWrite(12, LOW);
```

```
  digitalWrite(13, HIGH);
```

```
}
```



Observation/Output:

We can observe the demonstration of traffic light working.