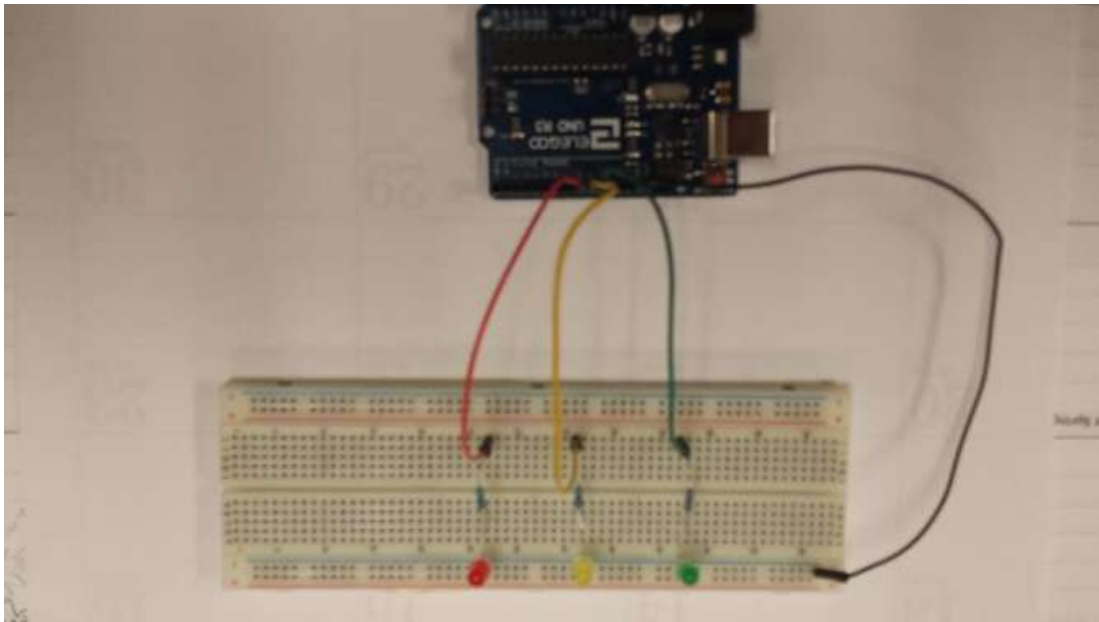


TRAFFIC LIGHTS

COMPONENTS:

- Arduino Uno Board and USB Cable
- Bread Board
- 3 LEDs and 3 Resistors (330 Ohms)
- Jumper wires



CODE:

```
/*  
Traffic Lights By N Mashabatu 03/02/2017  
Turns LEDs ON for 3 seconds, then OFF for 1 second in sequence repeatedly.  
*/  
int LedRed= 8; // define Red LED pin  
int LedYellow= 9; // define Yellow LED pin  
int LedGreen= 10; // define Green LED pin  
// the setup function runs once when you press reset or power the board  
void setup() {  
  // initialize digital pin LED_BUILTIN as an output.  
  pinMode(LedRed, OUTPUT);  
  pinMode(LedYellow, OUTPUT);  
  pinMode(LedGreen, OUTPUT);  
}  
// the loop function runs over and over again forever  
void loop() {  
  digitalWrite(LedRed, HIGH); // turn the LED on (HIGH is the voltage level)  
  delay(3000); // wait for 3 seconds  
  digitalWrite(LedRed, LOW); // turn the LED off by making the voltage LOW  
  delay(1000); // wait for a second  
  digitalWrite(LedGreen, HIGH); // turn the LED on (HIGH is the voltage level)  
  delay(3000); // wait for 3 seconds  
  digitalWrite(LedGreen, LOW); // turn the LED off by making the voltage LOW  
  delay(1000); // wait for a second  
  digitalWrite(LedYellow, HIGH); // turn the LED on (HIGH is the voltage level)  
  delay(3000); // wait for 3 seconds  
  digitalWrite(LedYellow, LOW); // turn the LED off by making the voltage LOW  
  delay(1000); // wait for a second  
}
```