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dim? This simple little circuit uses an ardieno and some LEDS to replicate a traffic light. It user code as an internal times and continues to run until you cut the Arduino's power supply.

## Hardware required:

- 1 Arduino UNO
- @ Breadboard
- 3 Jumper wires
- (9) LED :- green, red, bronge
- (5) Rosiston 100 ohm (6) Andrine USB 2-0 data Cable

## Code :

int GREEN = 2; irt Yellow = 3; int RED = 4; int DELAKGREEN-5000; int DELAY\_YELLOW\_ 2000; int DELAY\_RED = 5000; c)quitez biou 2 pinMode(GREEN, OUTPUT); pin Mode ( YELLOW, OUTPUT); pinMode (RED, OUTPUT);

```
void loop ()
 green_light();
 delay (DELAX_GREEN);
  y ellow_light();
 delay (DELAY_YELLOW);
  ned-light();
  delay (DELAX-RED);
void green-light()
  digital Write (GAEEN, HIGH);
  digital Write (YELLOW, LOW);
  digital Write (RED, LOW);
Foid yellow light()
   Ligitalurite (GREEN, LOW);
   digital Write (XELLOW, HIGH);
   digital Write (RED, LOW);
    void red_light()
      digitalWrite(GACEN, LOW);
      digitalwrite (YELLOW, LOW);
      digital Write ( RED, HIGH);
```

