

Traffic Light 1

10/4/19

All the text below in blue, orange or green are instructions, functions or commands that the Arduino IDE will recognise. If they do not appear as those colours in your script then the spelling, including embedded Capitals, is incorrect.

The text preceded by a "//" and greyed out is not required by the program, but is there to help explain the process of the program.

The location of all brackets and colons is critical to the program.

All other black text is user stated variables and can be changed or personalised.

```
int Red = 9; //Attach the red to pin 9.
int Yellow = 10; //Attach the yellow to pin 10.
int Green = 11; //Attach the green to pin 11.

void setup() {
  pinMode(Red, OUTPUT); //Declare Red as an output.
  pinMode(Yellow, OUTPUT); //Declare Yellow as an output.
  pinMode(Green, OUTPUT); //Declare Green as an output.
}

void loop() {

  digitalWrite(Green, HIGH); //Turn Green on.
  delay(5000); //Do nothing for 5 seconds.
  digitalWrite(Green, LOW); //Turn Green off
  digitalWrite(Yellow, HIGH); //etc.
  delay(2000);
  digitalWrite(Yellow, LOW);
  digitalWrite(Red, HIGH);
  delay(5000);
  digitalWrite(Red, LOW);
}

//At the end of the "loop" it
//will go back and start the
//"loop" again, and again, etc.
```