Yellow Light

Code walkthrough

# Set constants

Set your constants at the top of the page. A constant will never change the pins will always be linked to them and if we change it we have to change the code.

Const int buttonPin = 2; **Push button pin**

Const int ledPin = 13; **LED pin**

# Set Variables

Set your variables after your constants. A variable has the ability to change if you set it to. When push button status is false it does nothing but when it is true they yellow light turns on.

Int buttonState = 0; **Reads button status**

# Functions

C++ has different types of functions this one only uses void. Void is a functions with no return value.

## Setup Function

void setup() {

pinMode(ledPin,OUTPUT); **Sets pin 13 as an output so the LED will light up when told.**

pinMode(buttonPin, INPUT); **Sets pin 2 as an input waiting for a value.**

}

## Loop Function

void loop() {

buttonState = digitalRead(buttonPin); **Always reading and waiting for the button state to change**

if (buttonState == HIGH){ **When the button state is high**

digitalWrite(ledPin, HIGH); **Make the LED turn on**

} else { **Anything else**

digitalWrite(ledPin, LOW); **Turn it off**

}

}