**ASSIGNMENT 03**

int red = 5;

int yellow = 4;

int green = 3;

void setup(){

    pinMode(red, OUTPUT);

    pinMode(yellow, OUTPUT);

    pinMode(green, OUTPUT);

}

void loop(){

    changeLights();

    delay(15000);

}

void changeLights(){

    // green off, yellow on for 3 seconds

    digitalWrite(green, LOW);

    digitalWrite(yellow, HIGH);

    delay(3000);

    // turn off yellow, then turn red on for 5 seconds

    digitalWrite(yellow, LOW);

    digitalWrite(red, HIGH);

    delay(5000);

    // red and yellow on for 2 seconds (red is already on though)

    digitalWrite(yellow, HIGH);

    delay(2000);

    // turn off red and yellow, then turn on green

    digitalWrite(yellow, LOW);

    digitalWrite(red, LOW);

    digitalWrite(green, HIGH);

    delay(3000);

}