

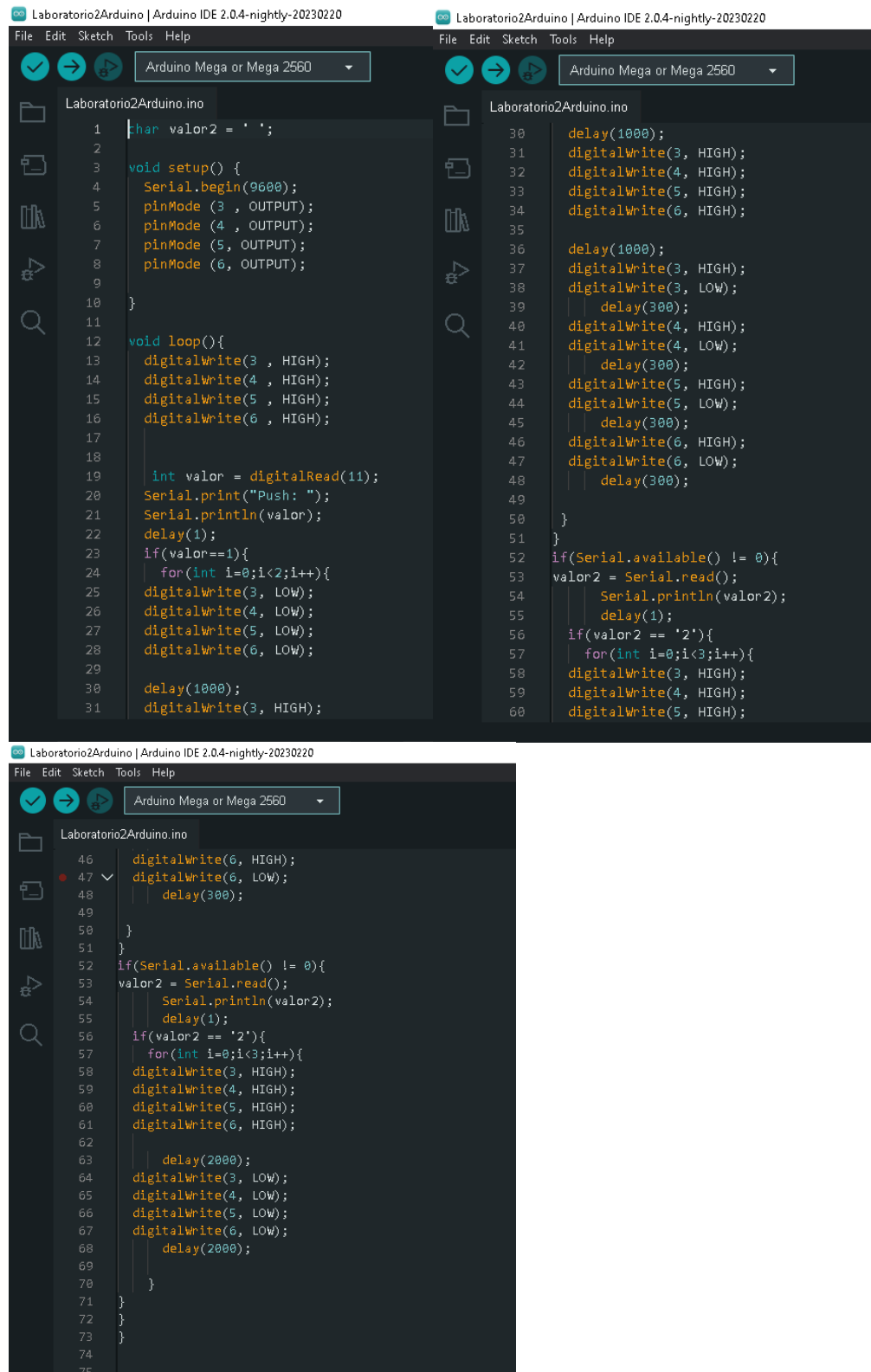
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Laboratorio Leds en serie

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<https://github.com/AleTuch/LaboratorioArduino>

Codificación en Arduino



```
Laboratorio2Arduino.ino
1 char valor2 = ' ';
2
3 void setup() {
4   Serial.begin(9600);
5   pinMode(3, OUTPUT);
6   pinMode(4, OUTPUT);
7   pinMode(5, OUTPUT);
8   pinMode(6, OUTPUT);
9
10 }
11
12 void loop(){
13   digitalWrite(3, HIGH);
14   digitalWrite(4, HIGH);
15   digitalWrite(5, HIGH);
16   digitalWrite(6, HIGH);
17
18   int valor = digitalRead(11);
19   Serial.print("Push: ");
20   Serial.println(valor);
21   delay(1);
22   if(valor==1){
23     for(int i=0;i<2;i++){
24       digitalWrite(3, LOW);
25       digitalWrite(4, LOW);
26       digitalWrite(5, LOW);
27       digitalWrite(6, LOW);
28
29       delay(1000);
30       digitalWrite(3, HIGH);
31
32       delay(1000);
33       digitalWrite(3, HIGH);
34       digitalWrite(4, HIGH);
35       digitalWrite(5, HIGH);
36       digitalWrite(6, HIGH);
37
38       delay(1000);
39       digitalWrite(3, HIGH);
40       digitalWrite(3, LOW);
41       delay(300);
42       digitalWrite(4, HIGH);
43       digitalWrite(4, LOW);
44       delay(300);
45       digitalWrite(5, HIGH);
46       digitalWrite(5, LOW);
47       delay(300);
48       digitalWrite(6, HIGH);
49       digitalWrite(6, LOW);
50       delay(300);
51     }
52   }
53   if(Serial.available() != 0){
54     valor2 = Serial.read();
55     Serial.println(valor2);
56     delay(1);
57     if(valor2 == '2'){
58       for(int i=0;i<3;i++){
59         digitalWrite(3, HIGH);
60         digitalWrite(4, HIGH);
61         digitalWrite(5, HIGH);
62         digitalWrite(6, HIGH);
63
64         delay(2000);
65         digitalWrite(3, LOW);
66         digitalWrite(4, LOW);
67         digitalWrite(5, LOW);
68         digitalWrite(6, LOW);
69         delay(2000);
70       }
71     }
72   }
73 }
74
75
```

Funcionamiento y diseño en protoboard

