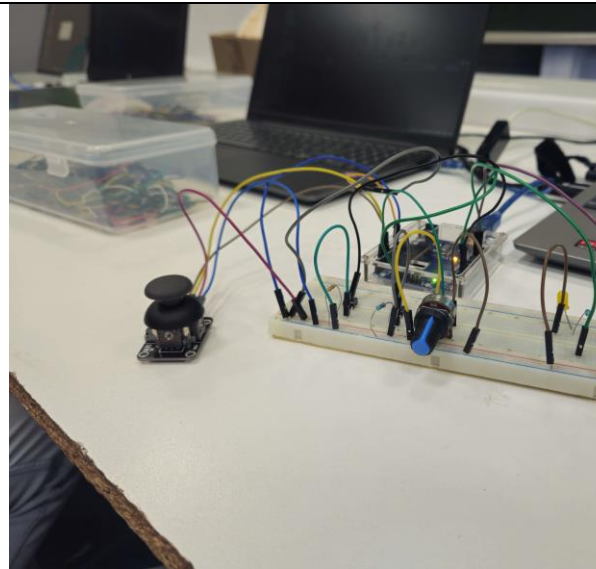
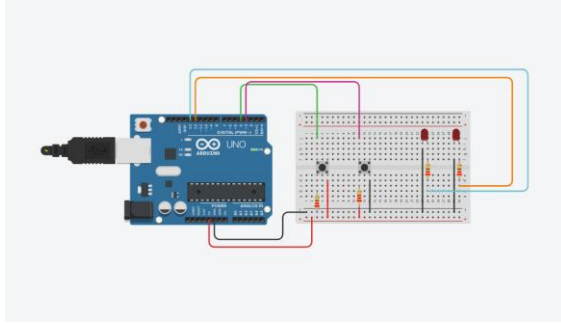


Dutrannois Esteban
Dubois Théo



```
1 int BTN = 3;  
2 int BTN2 = 4;  
3 int POT = A5;  
4 int JoystickX = A2;  
5 int JoystickY = A1;  
6  
7 int valueBTN;  
8 int valueBTN2;  
9 int valuePOT;  
10 int valueJoystickX;  
11 int valueJoystickY;  
12  
13 int LED = 13;  
14 int LED2 = 12;  
15  
16 void setup() {  
17   Serial.begin(9600);  
18   pinMode(BTN, INPUT);  
19   pinMode(BTN2, INPUT);  
20   pinMode(POT, INPUT);  
21   pinMode(JoystickX, INPUT);  
22   pinMode(JoystickY, INPUT);  
23   pinMode(LED, OUTPUT);  
24   pinMode(LED2, OUTPUT);  
25 }  
26  
27 void loop() {  
28   valueBTN = digitalRead(BTN);  
29   if (valueBTN == HIGH) {  
30     digitalWrite(LED, LOW);  
31   } else {  
32     digitalWrite(LED, HIGH);  
33   }  
34  
35   valueBTN2 = digitalRead(BTN2);  
36   if (valueBTN2 == HIGH) {  
37     digitalWrite(LED2, HIGH);  
38   } else {  
39     digitalWrite(LED2, LOW);  
40   }  
41  
42   valuePOT = analogRead(POT);  
43   Serial.print("POT value: ");  
44   Serial.print(valuePOT);  
45  
46   Serial.print(", ");  
47  
48   valueJoystickX = analogRead(JoystickX);  
49   Serial.print("X: ");  
50   Serial.print(valueJoystickX);  
51  
52   Serial.print(", ");  
53  
54   valueJoystickY = analogRead(JoystickY);  
55   Serial.print("Y: ");  
56   Serial.print(valueJoystickY);  
57  
58   Serial.println(",.");  
59 }  
60
```