



web page that connect to Arduino

```
task2 arduino code.ino
1 void setup() {
2   // put your setup code here, to run once:
3   serial.begin(9600);
4   pinMode(13, OUTPUT);
5 }
6
7 void loop() {
8   // put your main code here, to run repeatedly:
9   String data=Serial.readString();
10  if (data.indexOf("hello") > -1)
11  {
12    digitalWrite(13, HIGH);
13    delay(1000);
14    digitalWrite(13, LOW);
15    delay(1000);
16    Serial.println(2);
17  }
18  else if(data.indexOf("hhllo") > -1) {
19    digitalWrite(13, HIGH);
20    Serial.println(1);
21  }
22  else{
23    digitalWrite(13, LOW);
24    Serial.write("0");
```

Arduino code that have commands for the LED

```
script.sql task2_arduino_code.html X
C: > Users > hp > Desktop > summer_training > المهام > task2 arduino code > task2_arduino_code.html > ht

6 <button class="button-71" role="button" id="button1">connect</button><br>
7 </center>>
8 <script>
9 document.querySelector('button').addEventListener('click', async () => {
10 // Prompt user to select any serial port.
11 const port = await navigator.serial.requestPort();
12 await port.open({baudRate, 9600});
13 });
14
15
16
17 // Prompt user to select any serial port.
18 const port = await navigator.serial.requestPort();
19
20 // Wait for the serial port to open.
21 await port.open({ baudRate, 9600 });
22
23
24
25 const textDecoder = new TextDecoderStream();
26 const readableStreamClosed = port.readable.pipeTo(textDecoder.writable);
27 const reader = textDecoder.readable.getReader();
28
29 const reader = port.readable.getReader();
30
31 // Listen to data coming from the serial device.
32 while (true) {
33   const { value, done } = await reader.read();
34   if (done) {
35     // Allow the serial port to be closed later.
36     reader.releaseLock();
37     break;
38   }
39   // value is a Uint8Array.
40   console.log(value);
41 }
42
43
44 const textEncoder = new TextEncoderStream();
45 const writableStreamClosed = textEncoder.readable.pipeTo(port.writable);
46
47 const writer = textEncoder.writable.getWriter();
48
49 await writer.write("hello");
50 writer.close();
51 await writableStreamClosed;
52
53 </script>
54 </body>
55 </html>
```

Html code that have commands and functions to connect the web page with the Arduino