

wp



ESP32 Surcude



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```
Serial2.setup(9600, { tx:D17, rx:D16 });
```

```
Serial2.on('data', function (buffer) {  
  print(buffer);  
});
```



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>

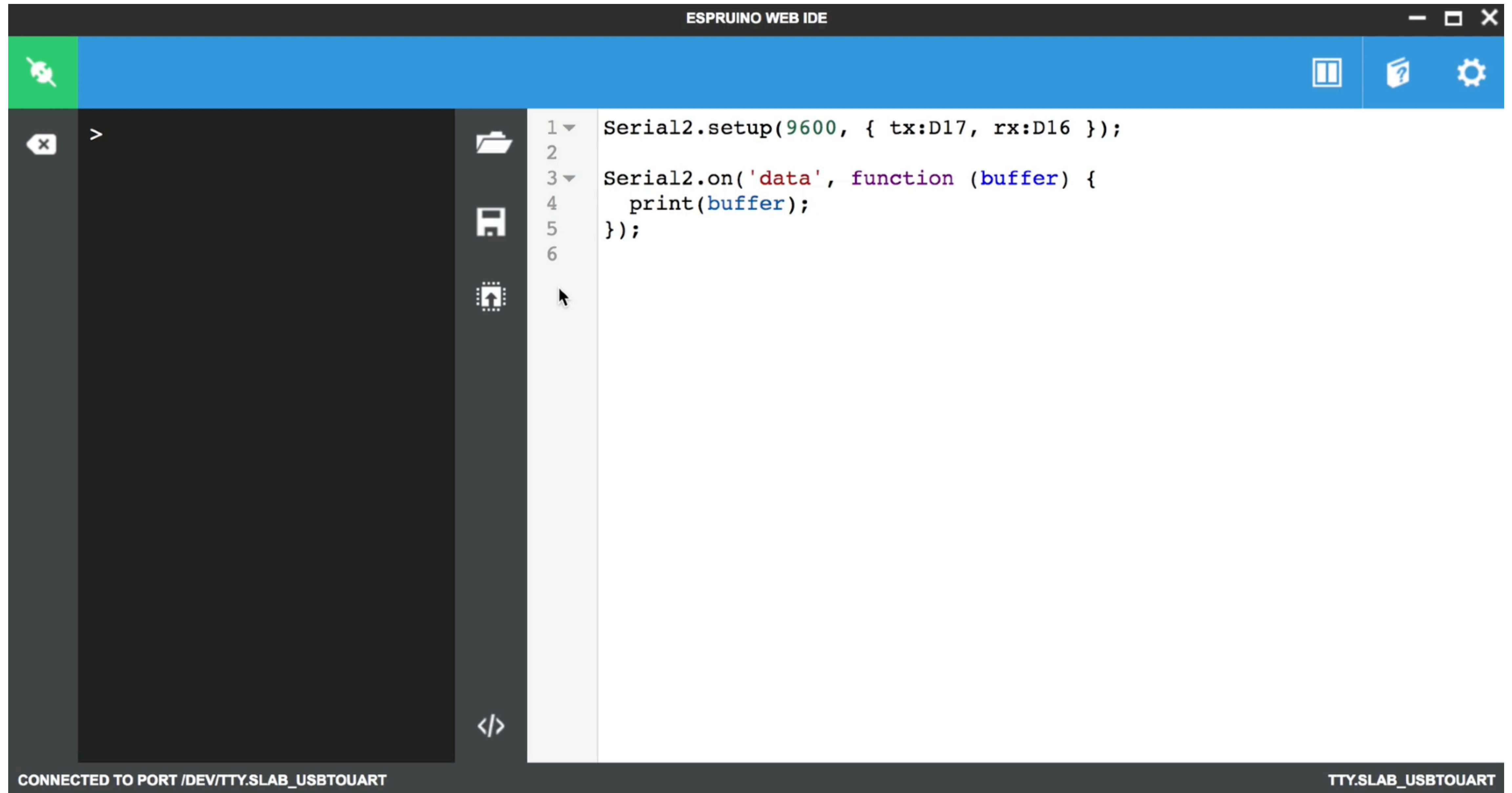


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```
Serial2.setup(9600, { tx:D17, rx:D16 });  
  
Serial2.on('data', function (buffer) {  
  print(buffer);  
});
```


ESP32 Source Code



The image shows the Espruno Web IDE interface. At the top is a title bar with the text 'ESPRUINO WEB IDE' and standard window controls. Below the title bar is a blue toolbar with icons for a file explorer, a console, a help menu, and settings. The main area is divided into three vertical sections. The leftmost section is a dark grey sidebar with a file explorer icon, a save icon, and a home icon. The middle section is a light grey area with a line number indicator (1-6) and a mouse cursor. The rightmost section is a white area containing the source code. The code is as follows:

```
1 Serial2.setup(9600, { tx:D17, rx:D16 });
2
3 Serial2.on('data', function (buffer) {
4     print(buffer);
5 });
6
```

At the bottom of the interface is a dark grey status bar. On the left, it says 'CONNECTED TO PORT /DEV/TTY.SLAB_USBTUART'. On the right, it says 'TTY.SLAB_USBTUART'.

ESP32 Source Code



The screenshot shows the Espruino Web IDE interface. The title bar reads "ESPRUINO WEB IDE". The left sidebar contains a file explorer with a folder icon, a save icon, and a home icon. The main editor area displays the following code:

```
1 function parseSDS(buffer) {
2   // Formula from the spec:
3   // PM2.5 value: PM2.5 (ug/m3) = ((PM2.5 high byte*256) + PM2.5 low byte) / 10
4   // PM10 value: PM10 (ug/m3) = ((PM10 high byte*256) + PM10 low byte) / 10
5   let pm2_5 = (buffer.charCodeAt(2) | (buffer.charCodeAt(3) << 8)) / 10.0;
6   let pm10 = (buffer.charCodeAt(4) | (buffer.charCodeAt(5) << 8)) / 10.0;
7
8   return {
9     pm2_5: pm2_5,
10    pm10: pm10
11  };
12 }
13
14 Serial2.setup(9600, { tx:D17, rx:D16 });
15
16 Serial2.on('data', function (buffer) {
17   print(parseSDS(buffer));
18 });
19
20 |
```

The status bar at the bottom indicates "CONNECTED TO PORT /DEV/CU.SLAB_USBTOUART" on the left and "CU.SLAB_USBTOUART" on the right.