Serial Terminal

Got a problem with CubeIDE's terminal? Time to change.

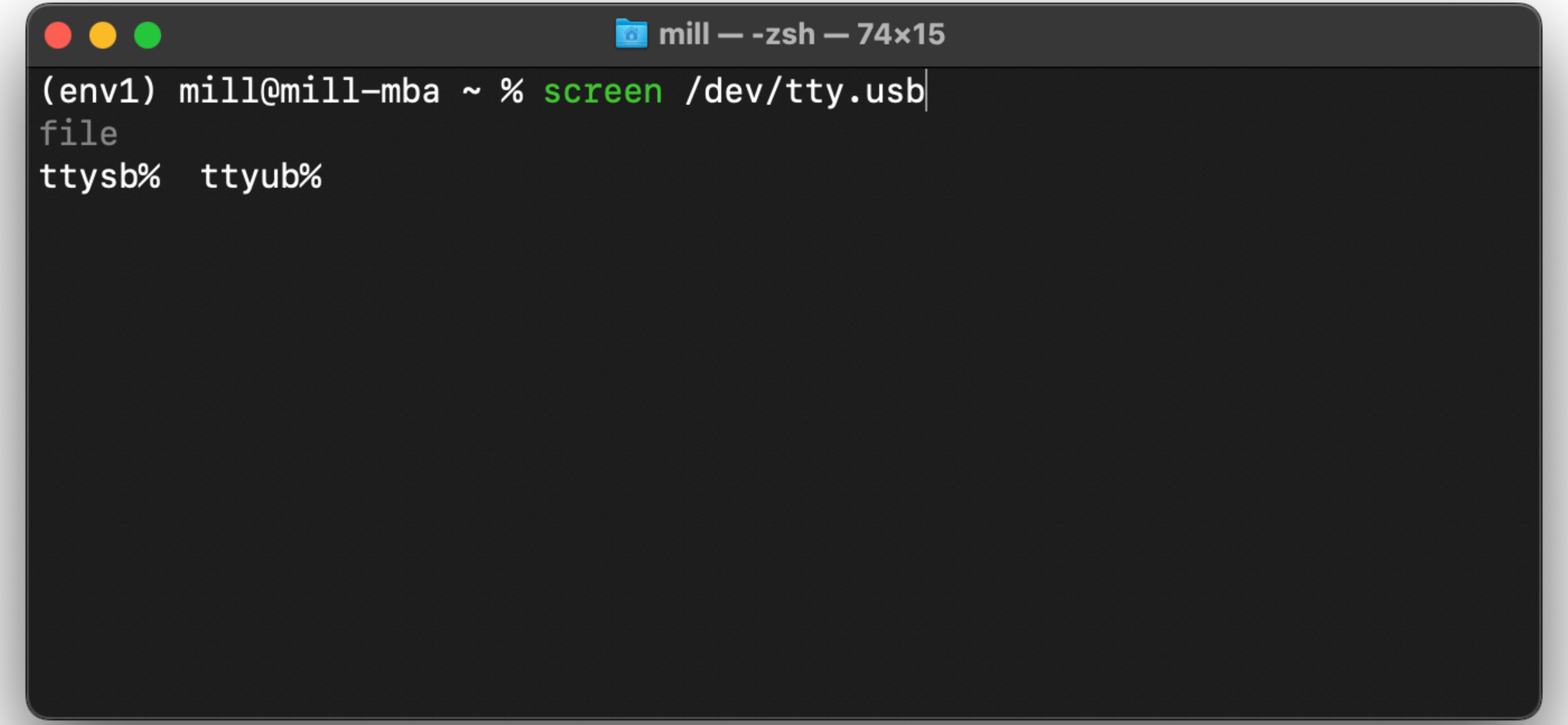
By P'Mill and P'Tontan 🐈

```
1  char buf[50];
2  sprintf(buf, "Hello \r\n");
3  /* USER CODE END 2 */
4
5  /* Infinite loop */
6  /* USER CODE BEGIN WHILE */
7  while (1) {
8      HAL_UART_Transmit(&huart2, buf, strlen(buf), 100);
9      HAL_Delay(200);
10     /* USER CODE END WHILE */
11
12     /* USER CODE BEGIN 3 */
13 }
```

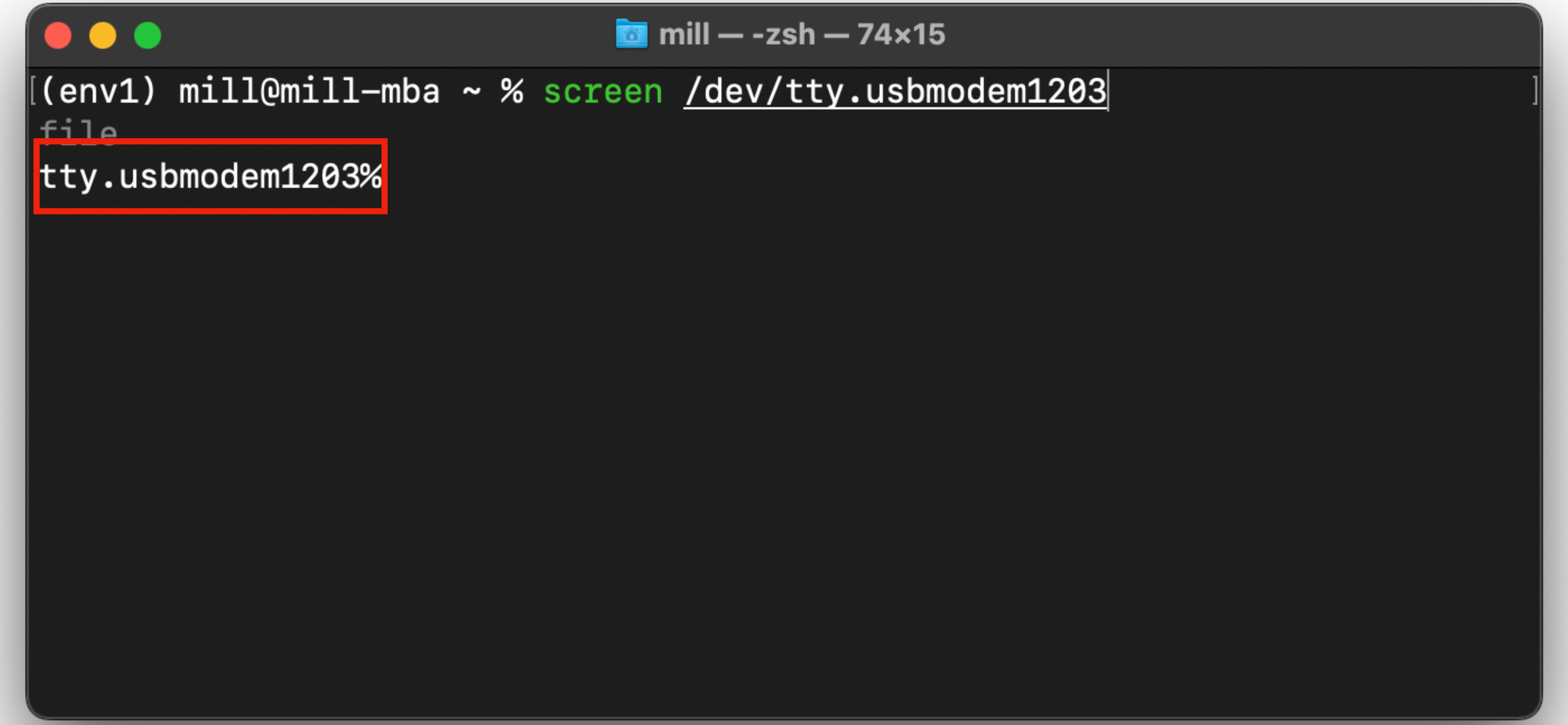
Sample Code

MacOS

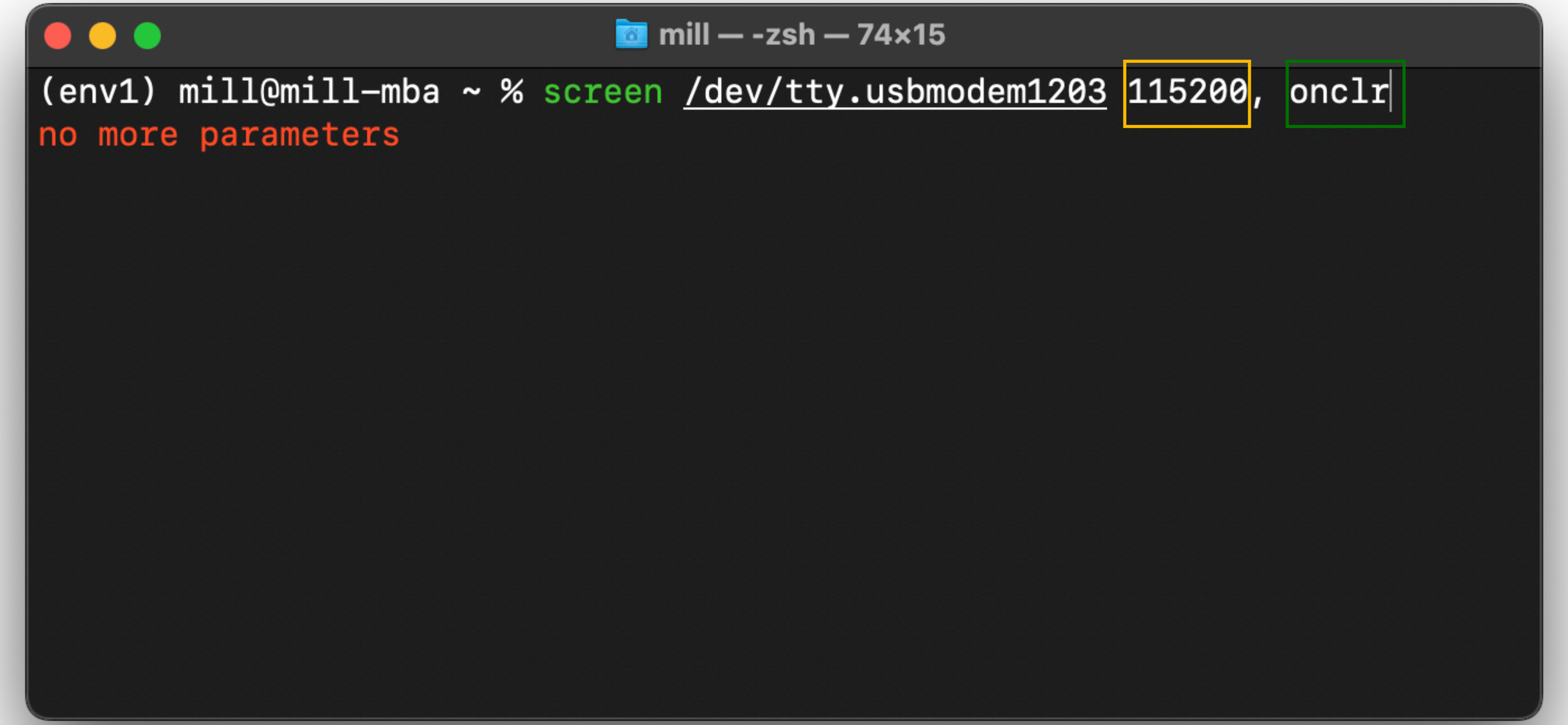
‘screen’ is your friend.



Type `screen /dev/tty.usb` then press TAB



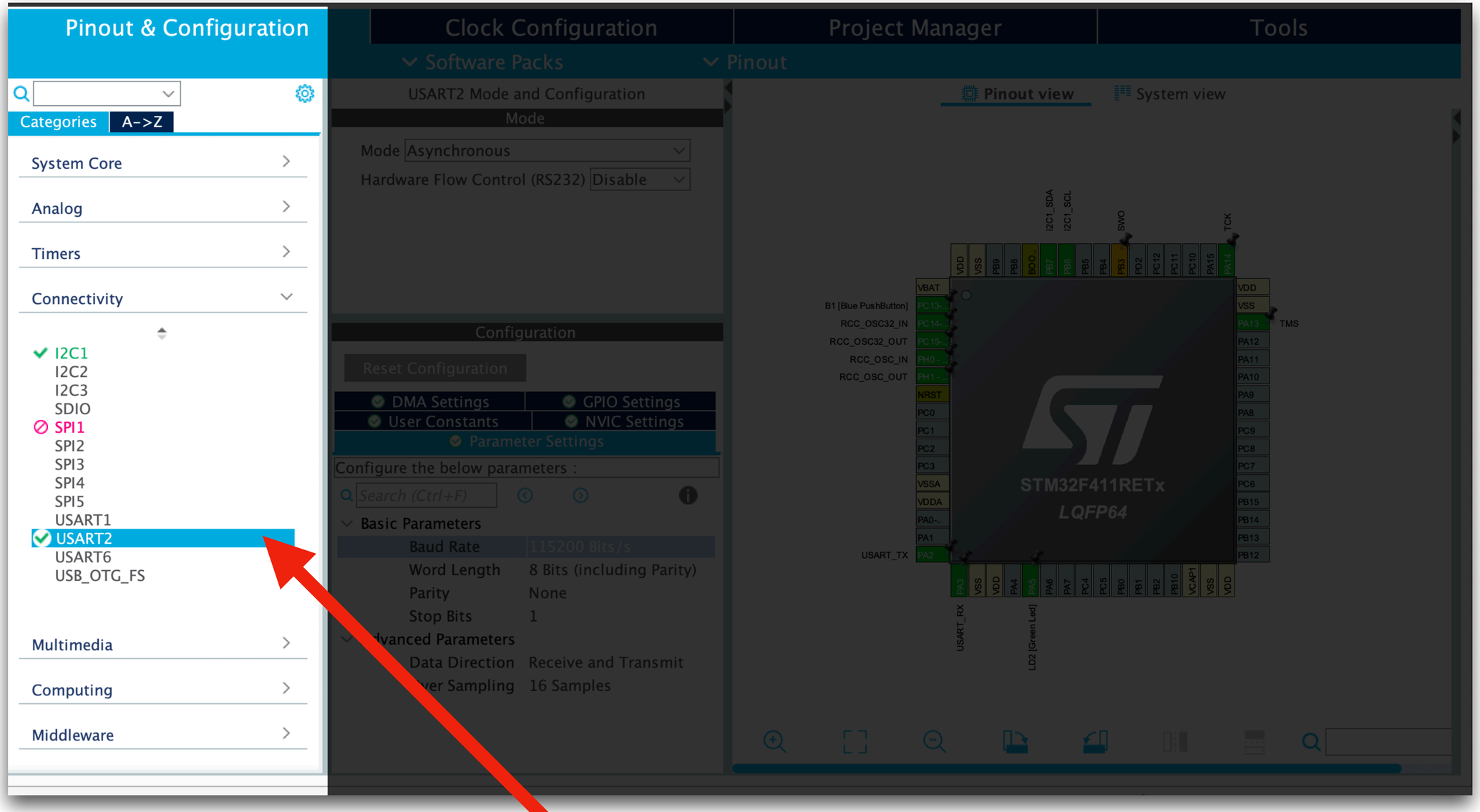
Select the one in the red box, the number will vary. Don’t panic!



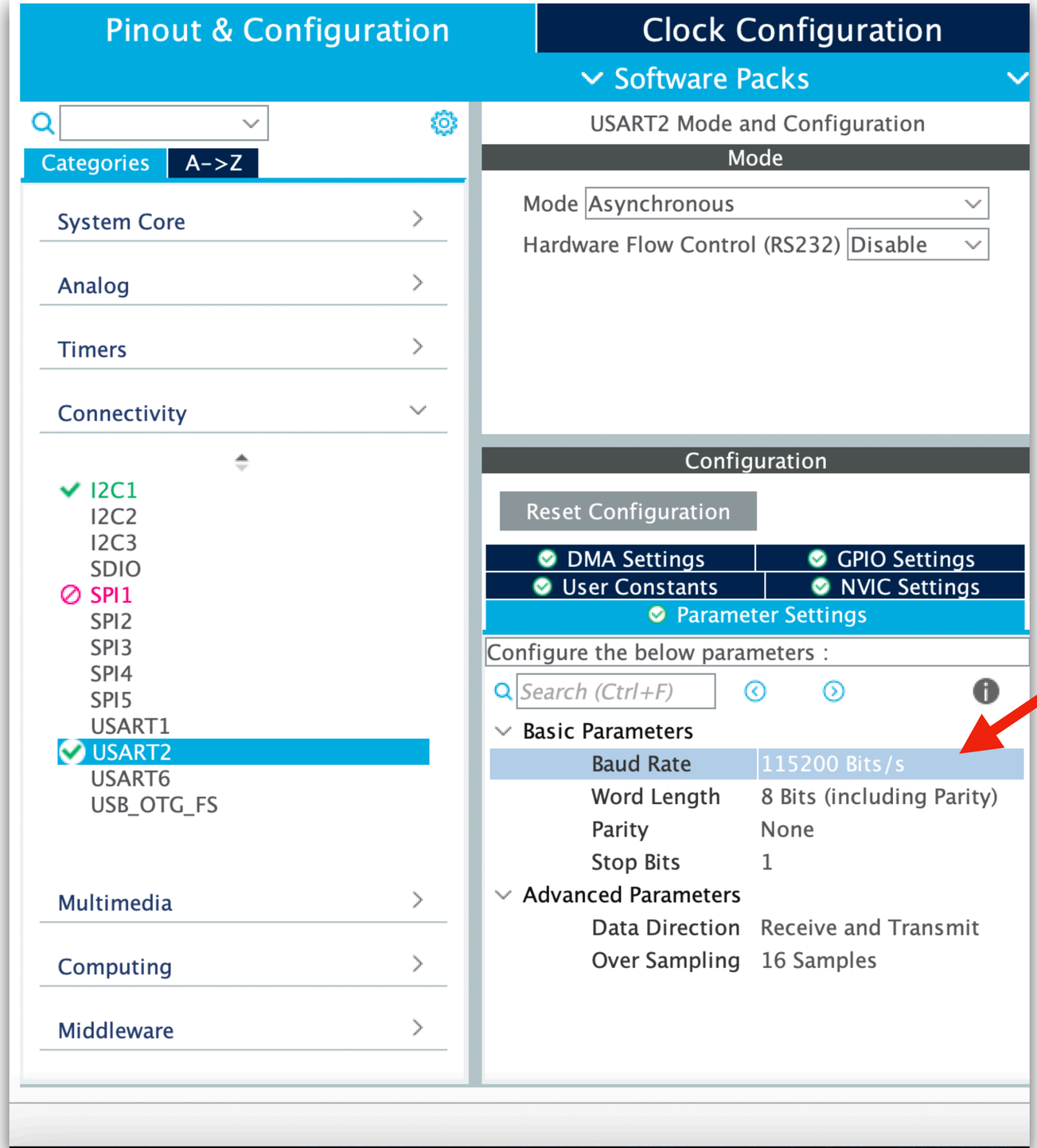
Add speed (see .ioc settings)
and onclr parameter to receive (\r\n) characters.


mill — screen /dev/tty.usbmodem1203 115200, onclr ▸ SCREEN — 74×15
Hello
Hello
Hello
Hello
Hello
Hello
Hello
Hello
Hello
Hello
Hello
Hello
Hello
Hello
Hello

Done!



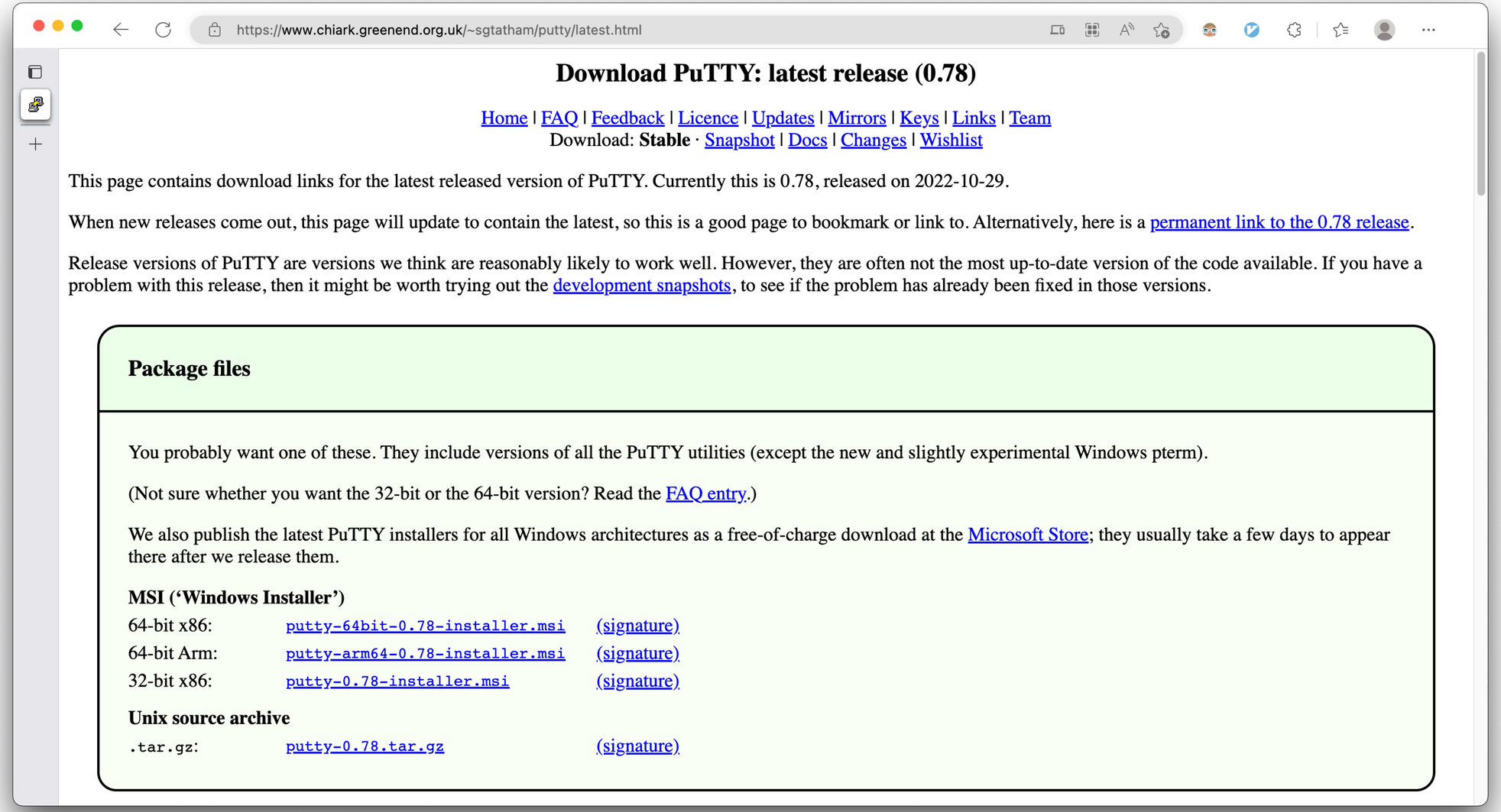
See the settings for USART2 (UART2 is connected to USB)



See the baud rate settings (default is at 115,200)

Windows

“PuTTY” is your helper.

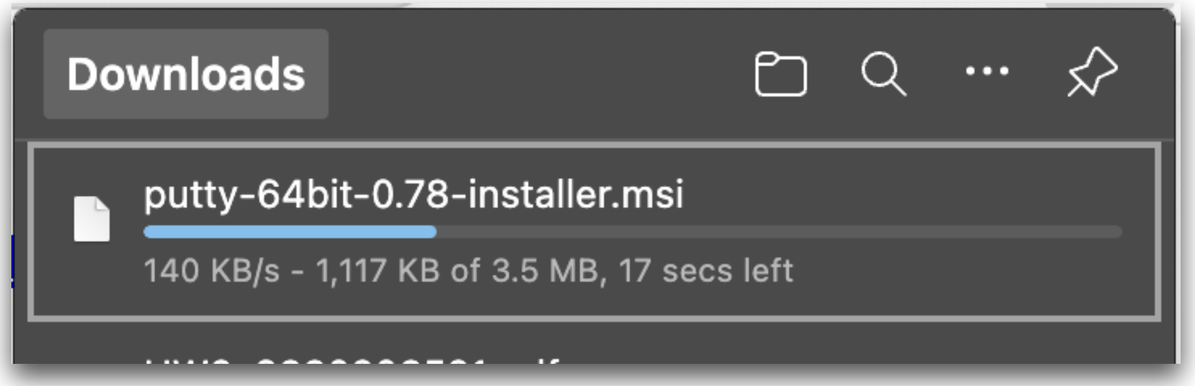


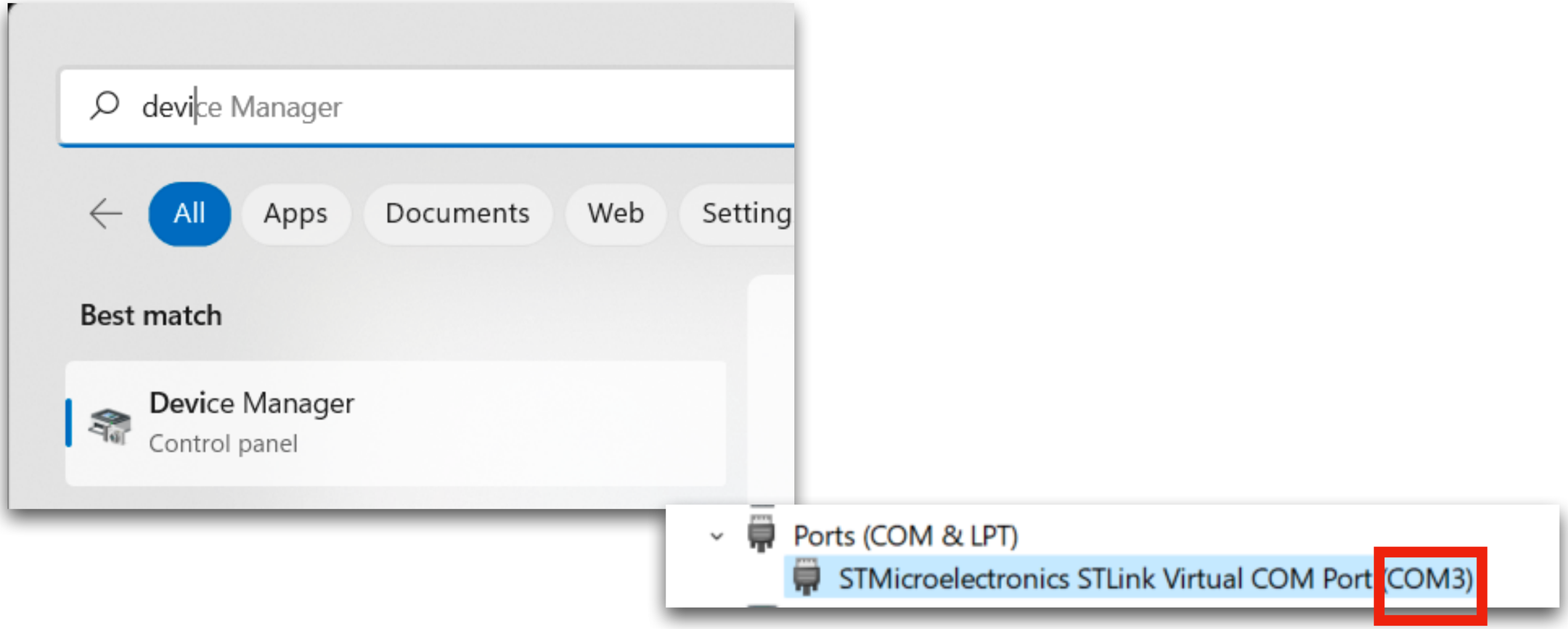
https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html

MSI ('Windows Installer')

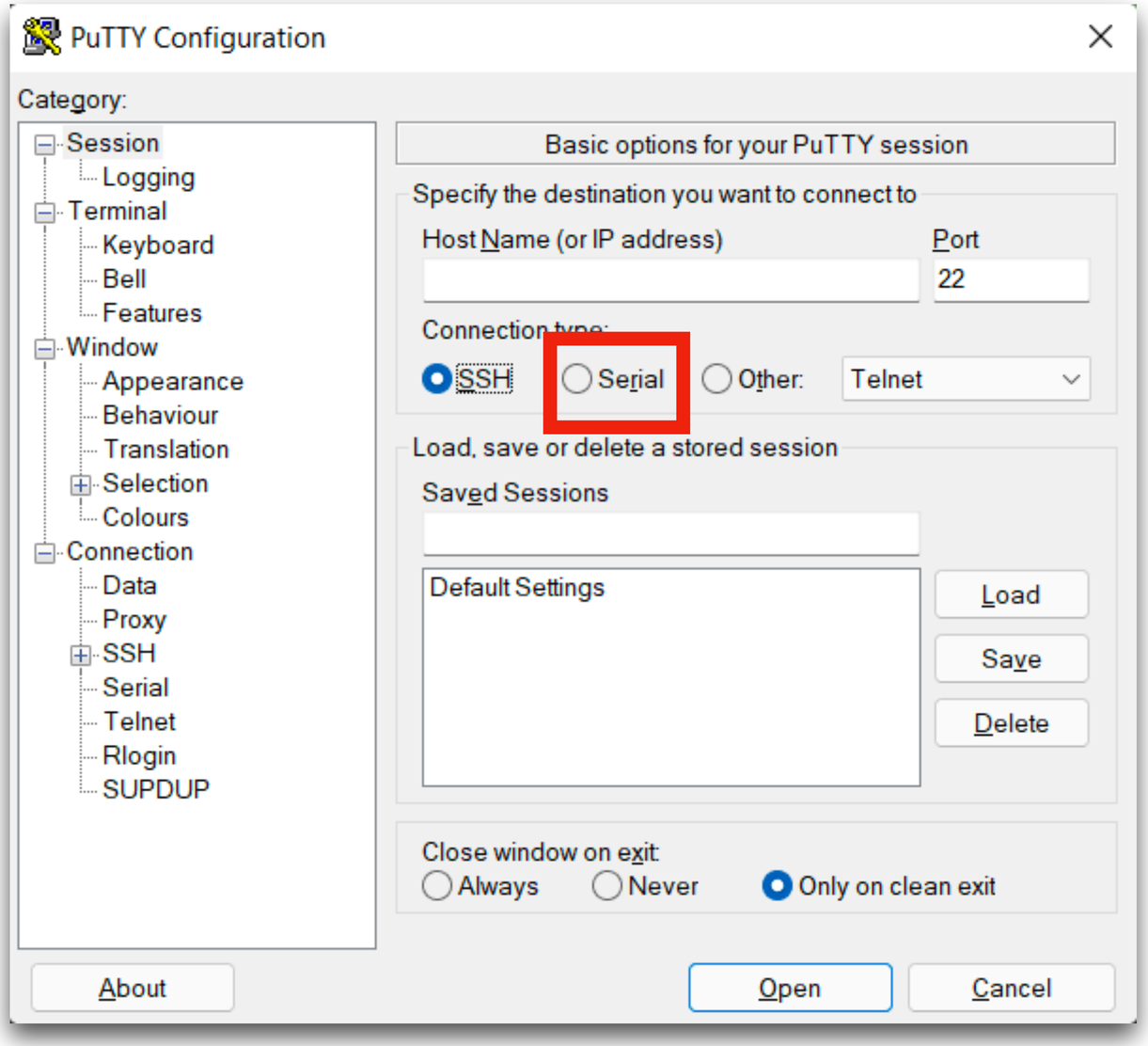
64-bit x86:	putty-64bit-0.78-installer.msi	(signature)
64-bit Arm:	putty-arm64-0.78-installer.msi	(signature)
32-bit x86:	putty-0.78-installer.msi	(signature)

Unix source archive

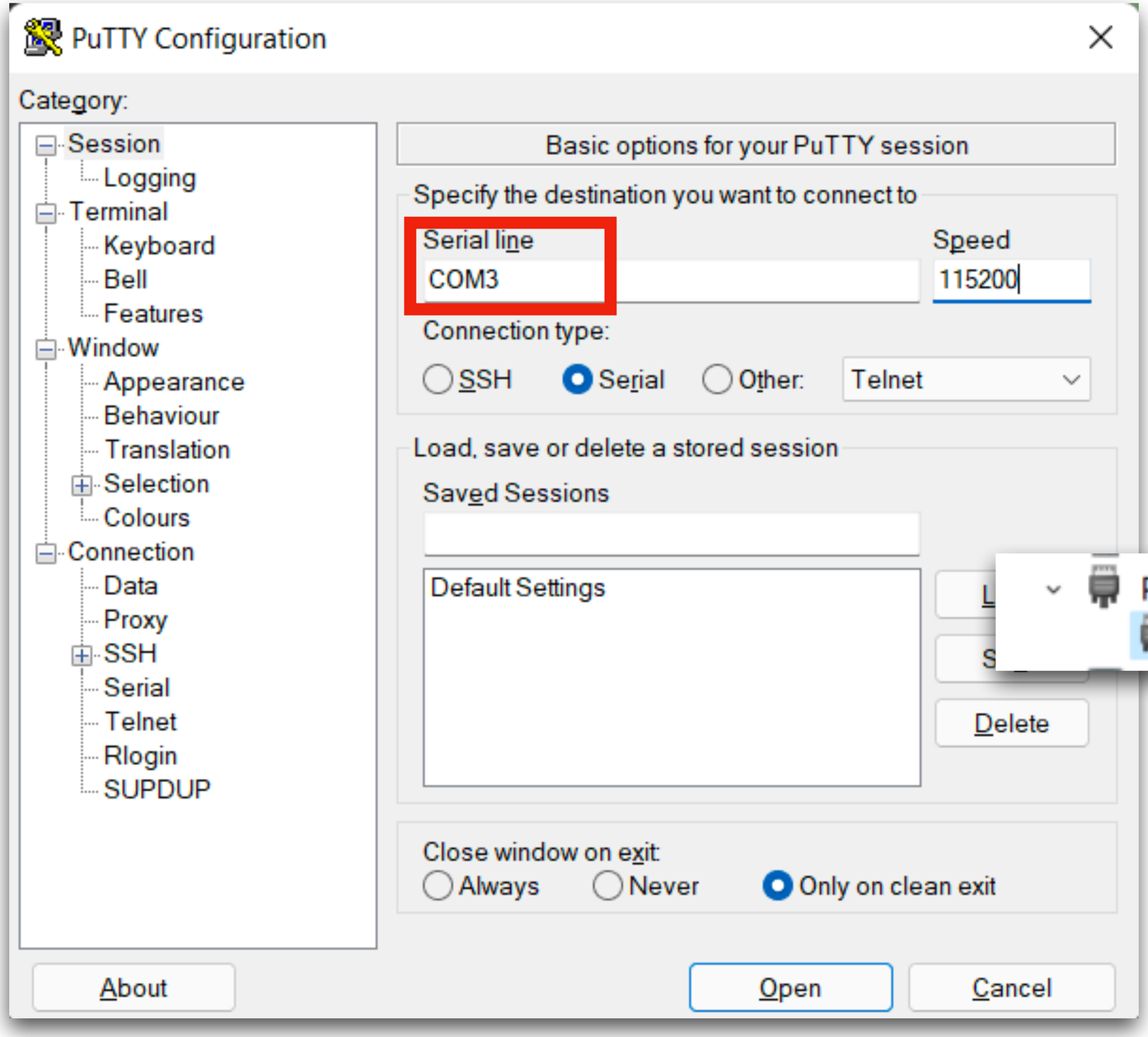


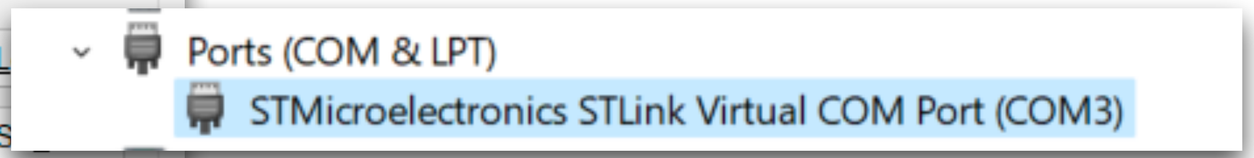


Open Device Manager and check the COM port



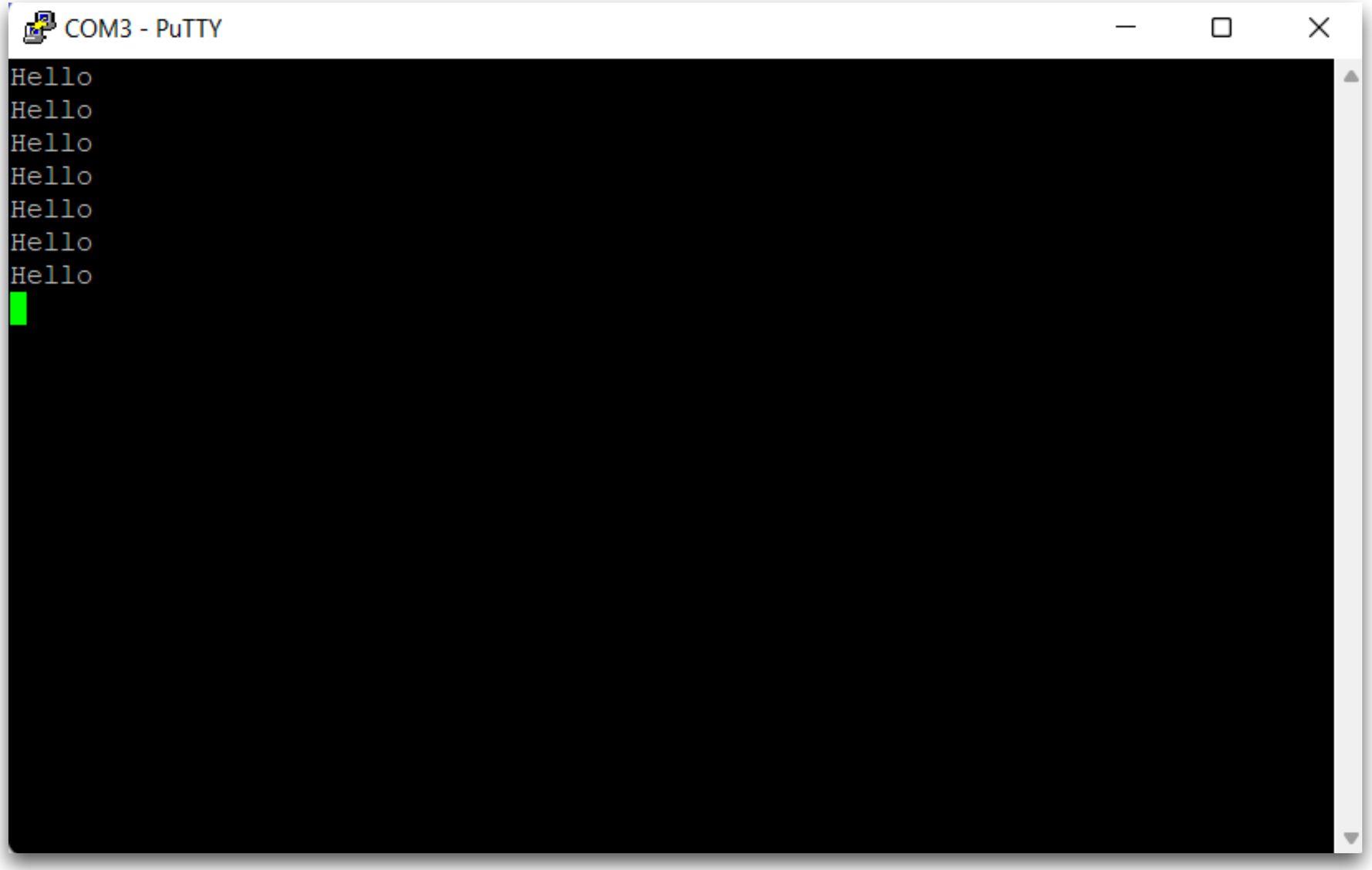
Open PuTTY and select Serial





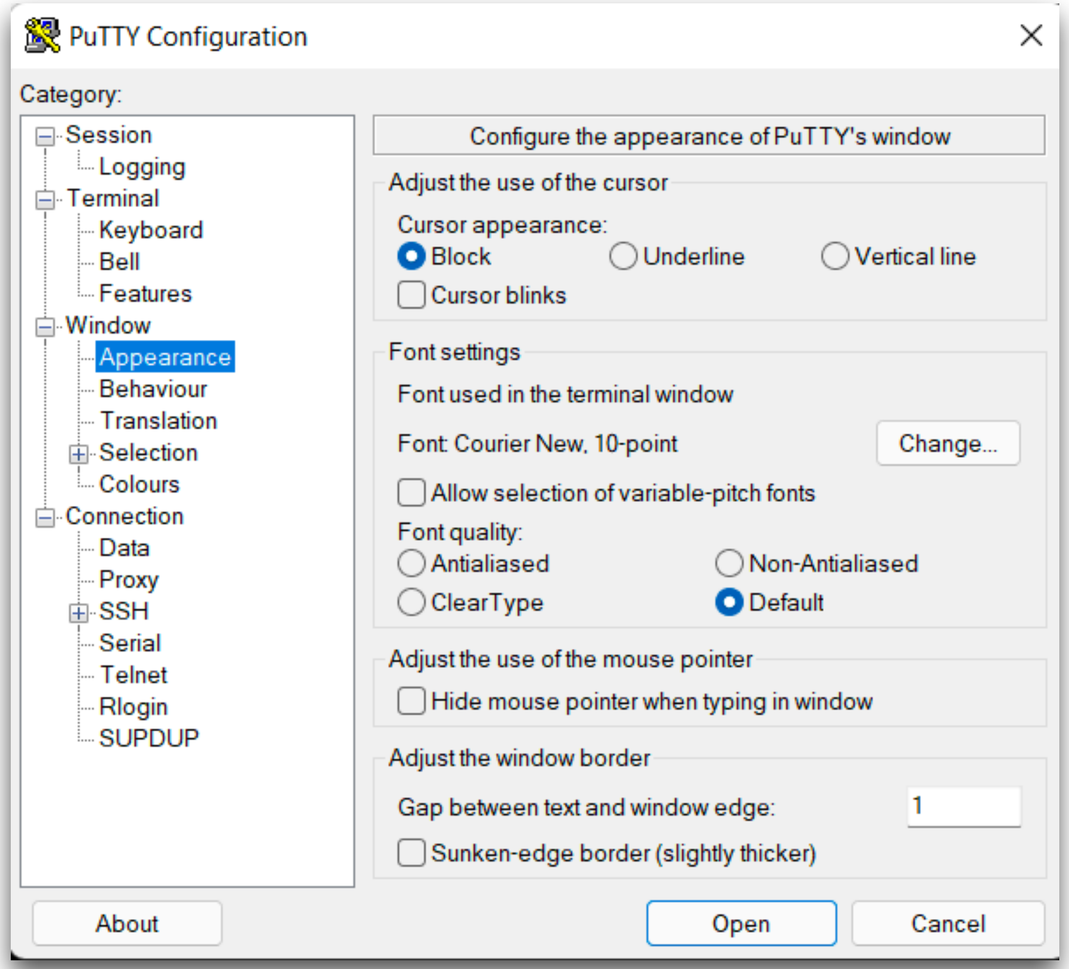
From Device Manager

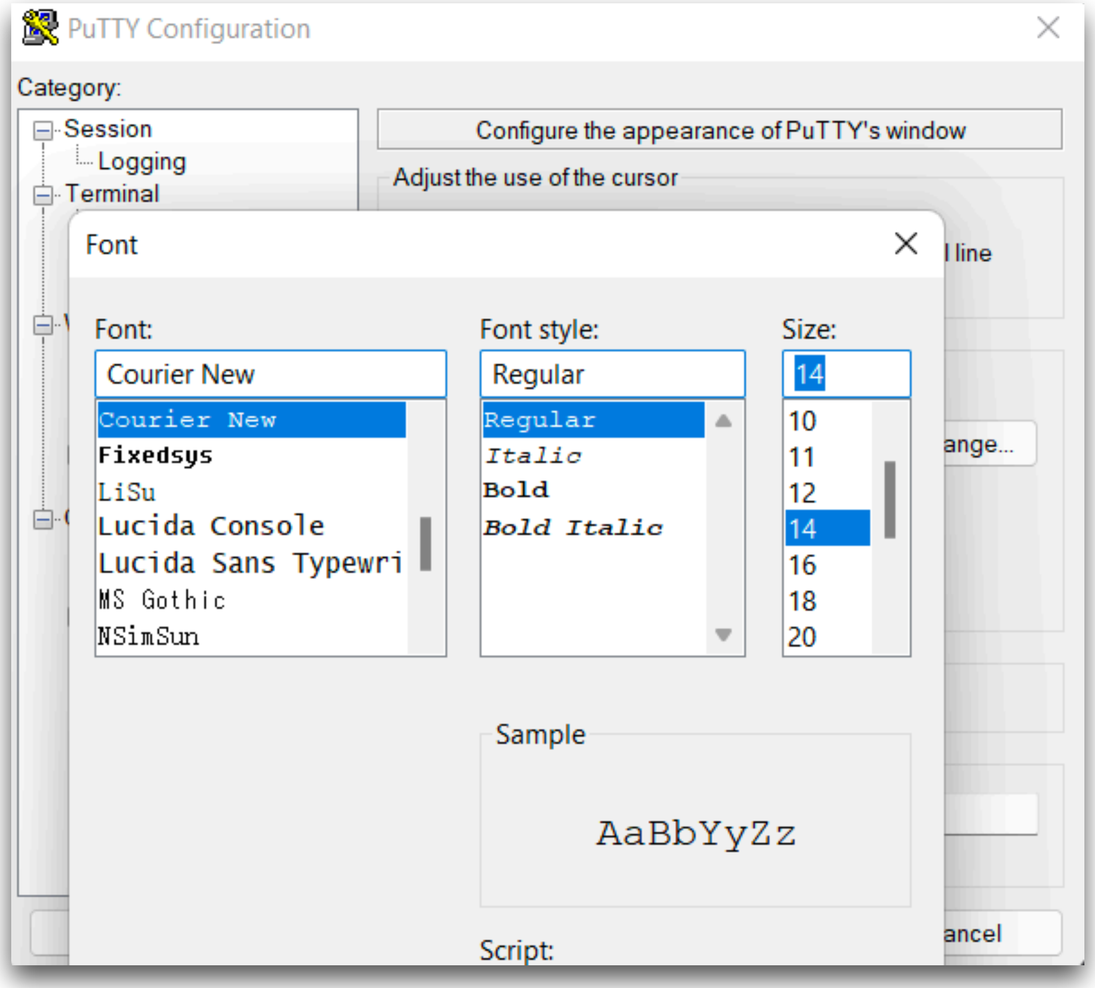
Type in the COM Port (COM3) and Speed (115200)



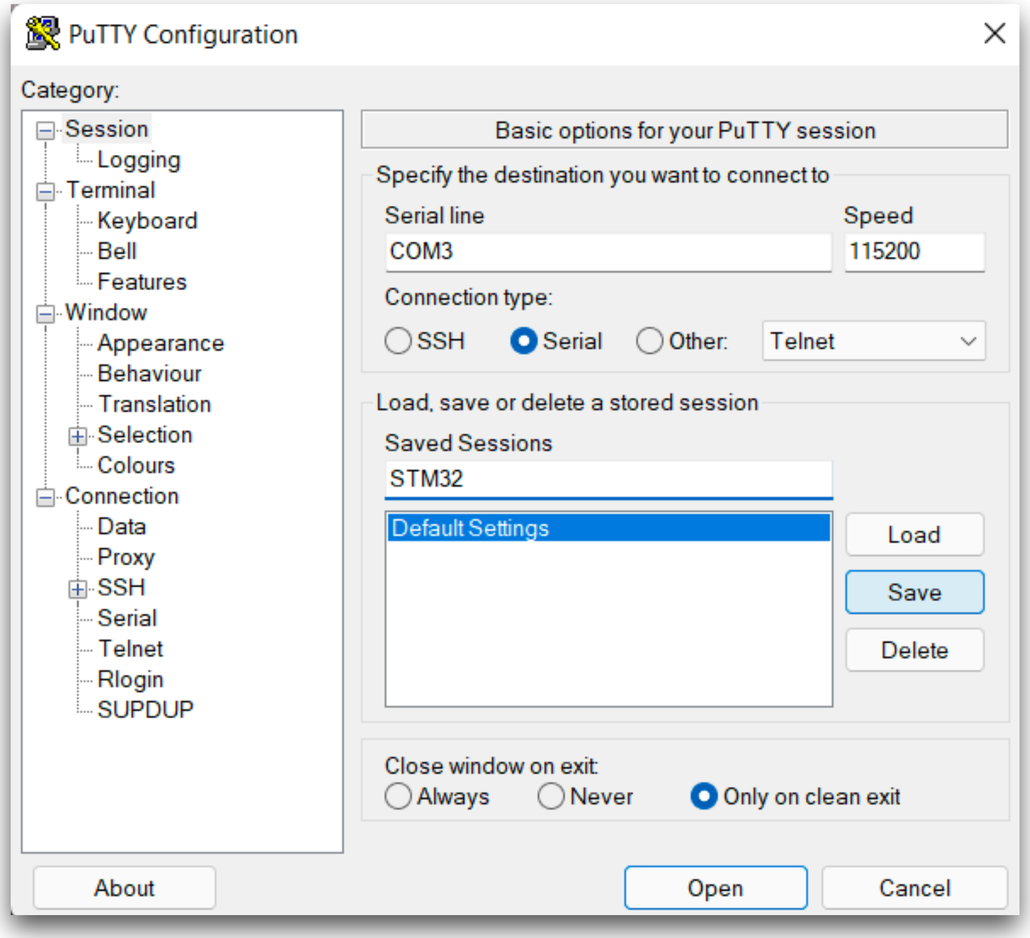
Done!

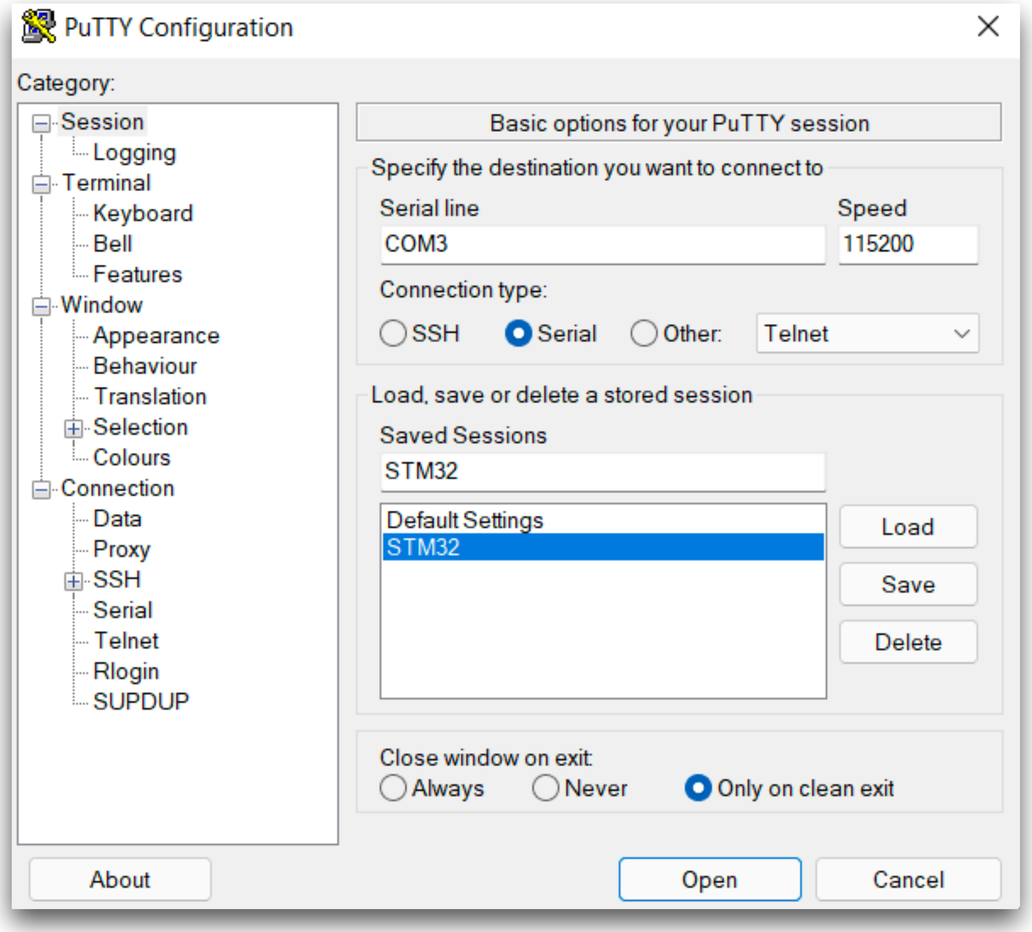
Fonts too small?





Too lazy to type every time?





Config your settings (Port, Speed, Font) then save the profile.

The End.

Good luck !