project

1. Arduino display connect

- https://youtu.be/SuJR7nMmofI?si=Y6hlQiRkAIf4X6Ik basic connection
  - spfd5408/ili9341 arduino[modulo inverse network security](#) uno + tft lcd touchscreen 2.4 inch

- basics and overall figure on parallel tft touch screen to create a button and to create more simple work https://youtu.be/SIo_Gv7K7Fo?si=LG3C7flBn3KIfdQ0
- github library to arduino

https://youtu.be/WuqEAUirXw0?si=FbbtCYspiO1bc1Qm

- working library to the display via arduino

https://youtu.be/D3lv0eySz8A?si=6jSIzh7IvAM4Ao6D

blog ==> https://techtotinker.com/2020/08/26/tutorial-how-to-use-2-4-tft-display-spfd5408-ili9341/

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The above didnt work only half display was displayed and no input signals worked
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30/12/2023 12:42

display worked

blog ==> blog.html

had to find the own interface driver for ic different from the one in the blog for that we have to see for the tft.begin function in the include file and use the respective examples in it for the driver number and use what is working

had to change the mapping part of the raw pressing points to the 0,0 and 240,360 virtual points in the display for this practical callibration process is used

if the driver number used is wrong the display might not show up anything or the display might not show quater parts like wise....

correct working image ==>
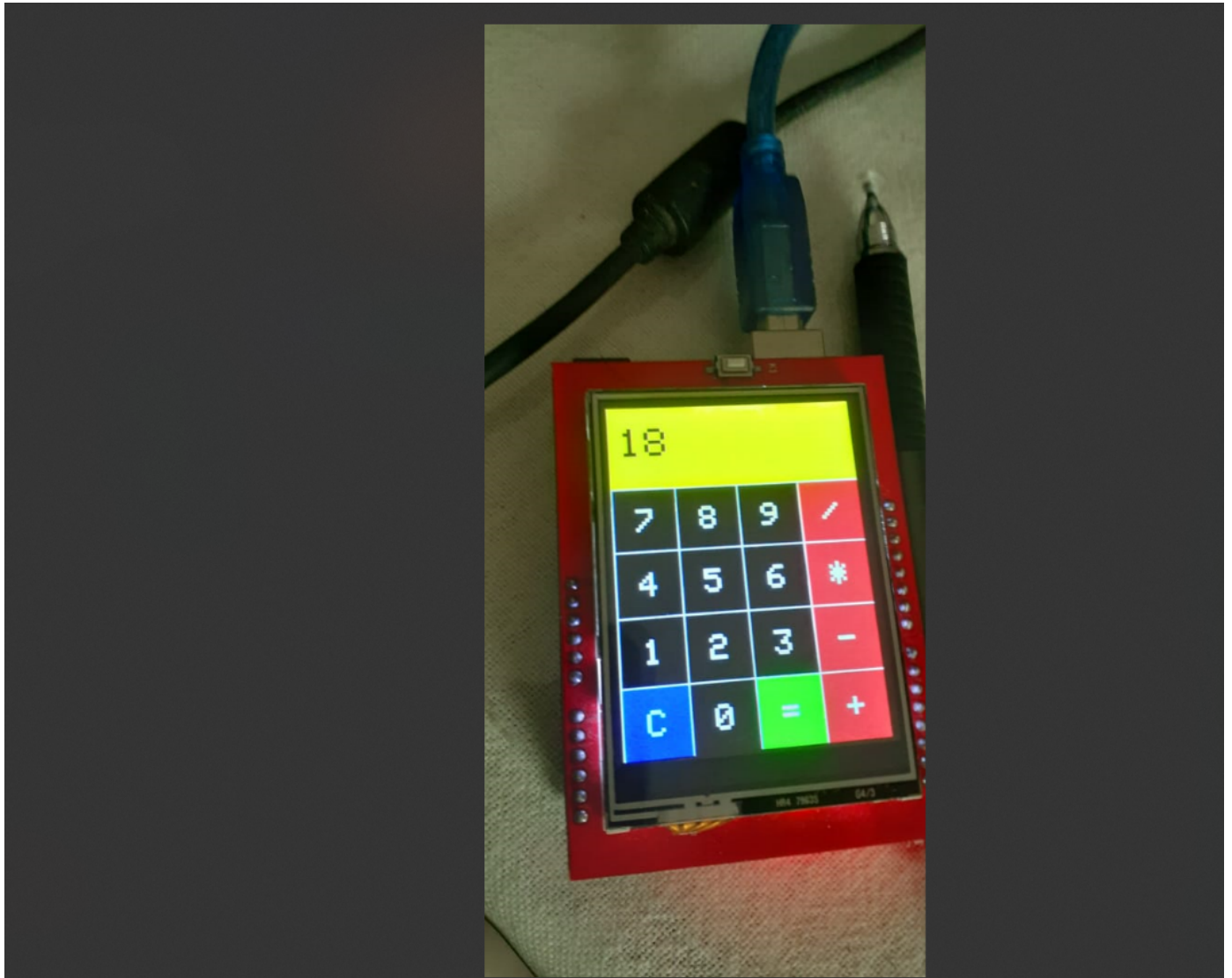
2. Bluetooth connection

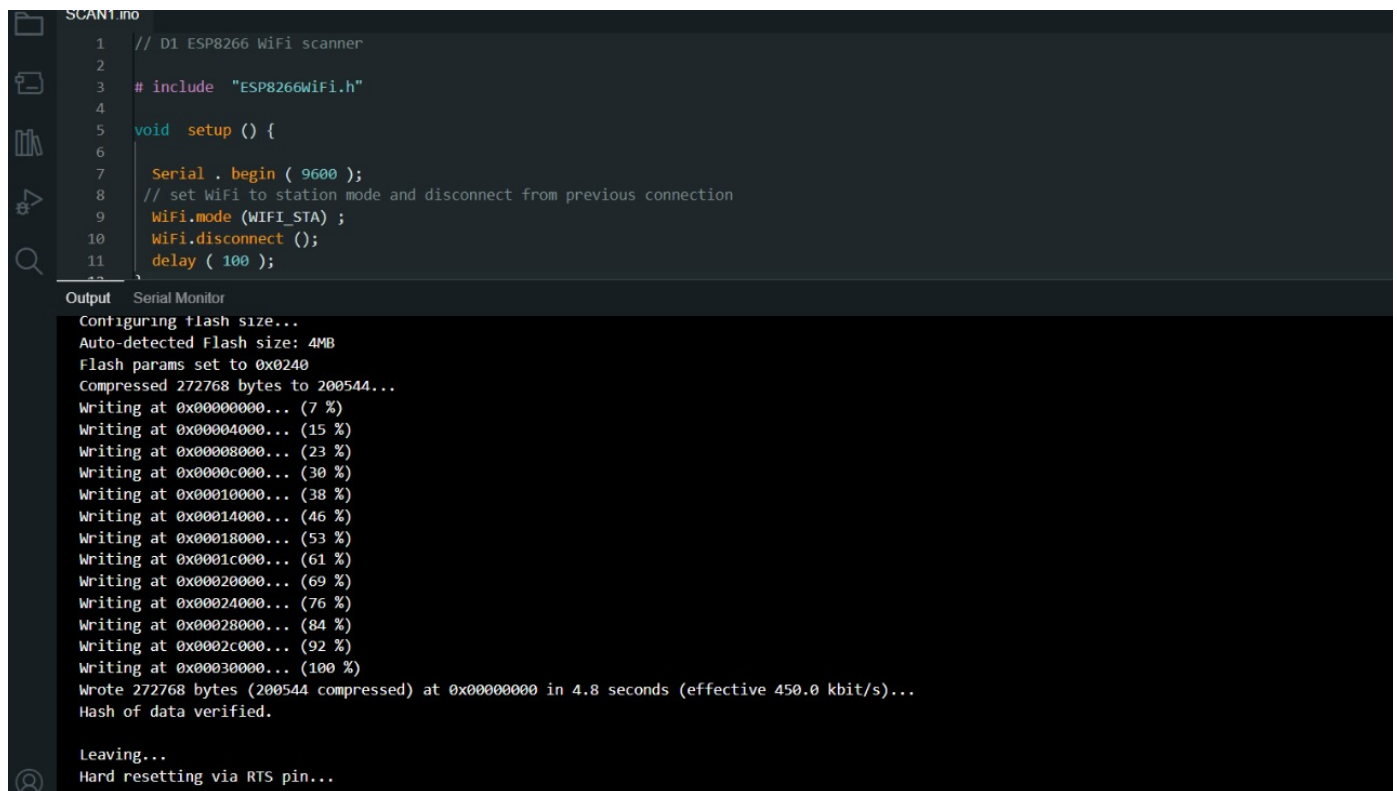blutooth module we have ==> hc 06

- Easy connection direct connection

[youtube ==> hc 05 / hc 06](#)

the app that is downloaded ==>

3. WiFi connection

- for the nipuls arduino with inbuilt ports == > [nipul youtube link](#)
- ch340 driver download ==> https://sparks.gogo.co.nz/ch340.html this comes with the error ==> https://stackoverflow.com/questions/76146837/a-fatal-esptool-py-error-occurred-cannot-configure-port-permissionerror13-a
- error ==> A fatal esptool.py error occurred: Failed to connect to ESP8266: Timed out waiting for packet header ==> unplug and replug solves the problem
- error ==> A fatal esptool.py error occurred: Invalid head of packet (0x72) ==> clicking reset pin and plugging unplugging the usb works
- for proper connection ==> it should be like below screenshot

if it doesnt search for wifis still press reset and see

- nodemcu works the same, only thing we have to change the board to node msu 1.0 ==> https://youtu.be/YN522_npNqs?si=uz-KH2o_Y3j54X1G
- 29/12/2023 18:22 ==> connected to wifi hotspot successfully using nodemcu, failed to activate ESP8266 chip and the arduino inbuilt one

- 29/12/2023 18:24 ==> using nodemcu though it connected to wifi couldnt load a webpage??? should check on connecting to a database or a website check for youtubes ==> https://youtu.be/uuqbQslon_Y?si=cguZk4HC3p7nQJ1K

4. Flutter learn

- 29/12/2023 18:24 ==> using nodemcu though it connected to wifi couldnt load a webpage??? should check on connecting to a database or a website check for youtubes ==>

https://youtu.be/uuqbQslon_Y?si=cguZk4HC3p7nQJ1K