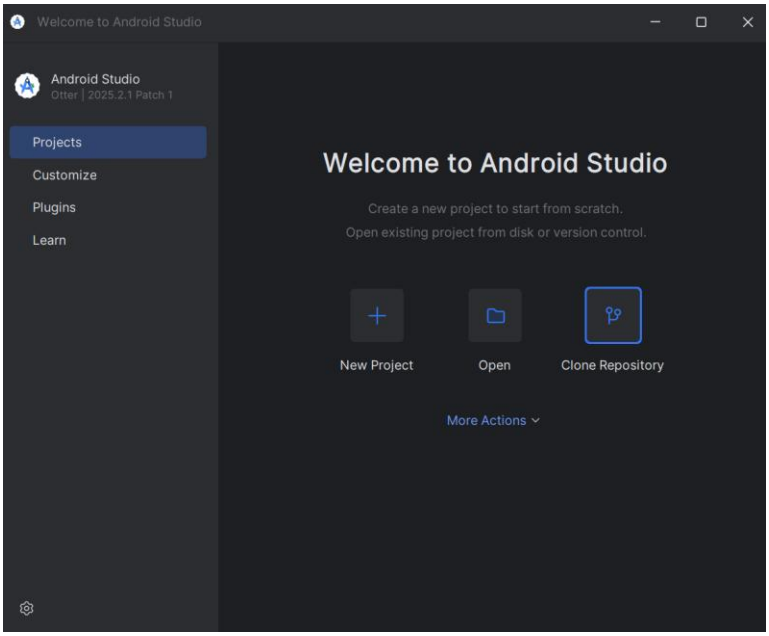
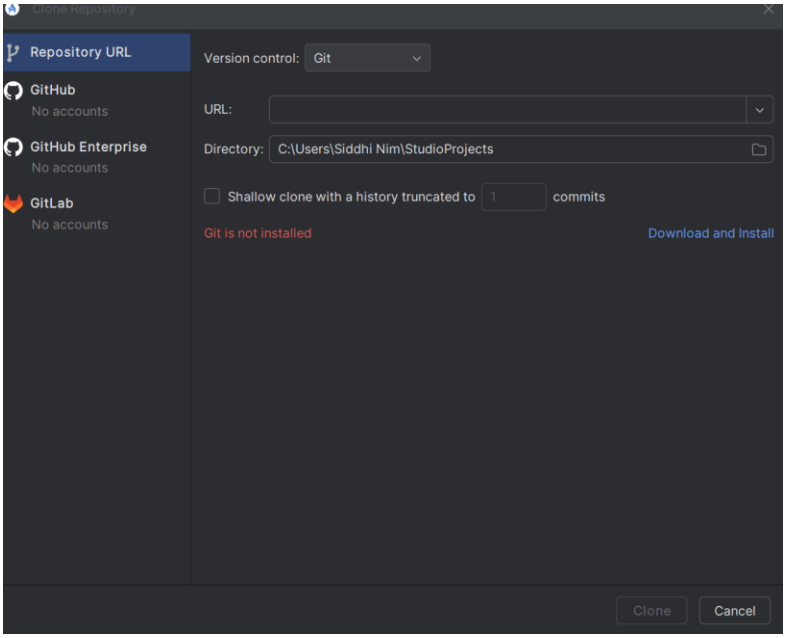
Installing Android Studio and Sync with Github

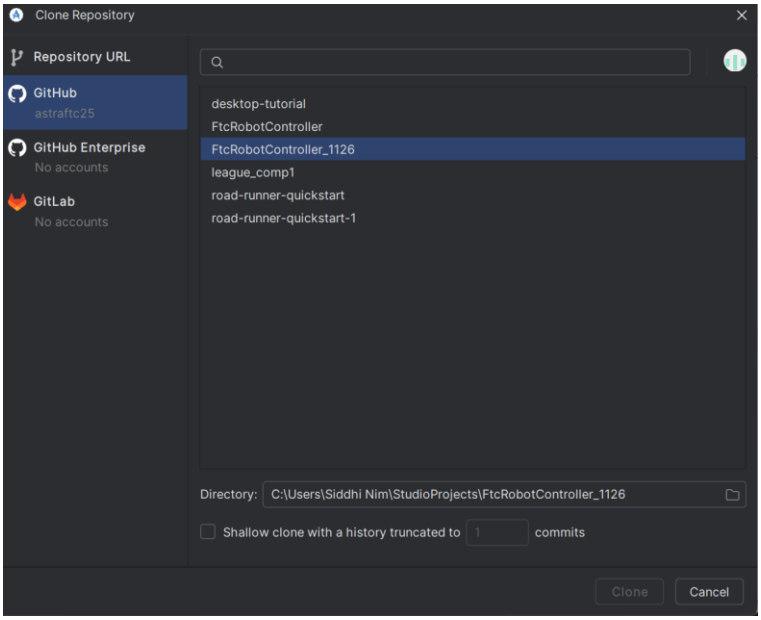
1. Install Android Studio Otter (Download Android Studio & App Tools - Android Developers)
    a. Install standard installation (no custom needed)
    b. After successful installation –



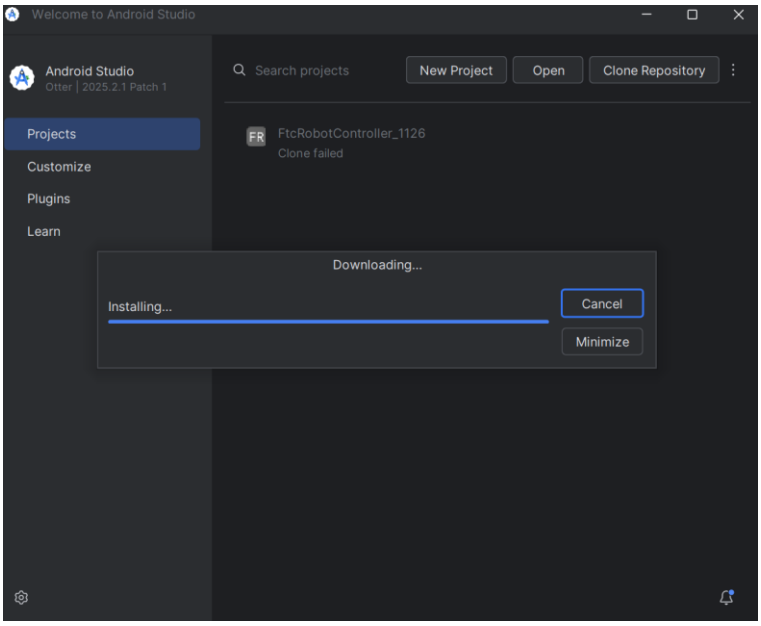
2. Clone Repository



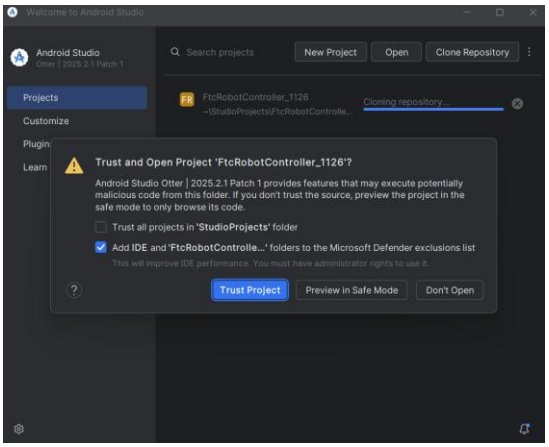
3. Select github
4. Login: astraftc@gmail.com Password: Home@10306
5. Clone FtcRobotController_1126



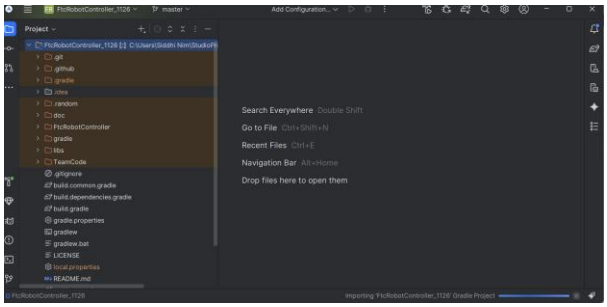
6. Git tool was not installed on Windows PC, follow the instructions to download and install git



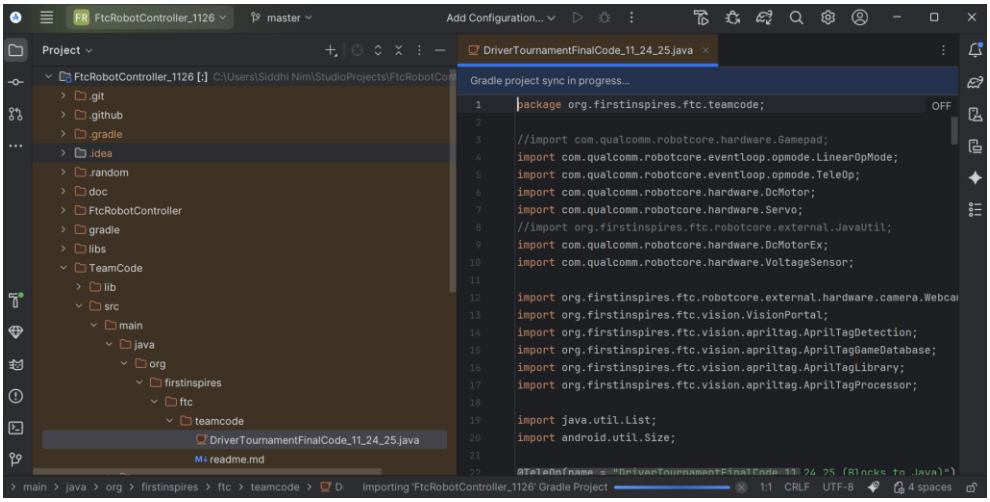
7. Trust and open project



8. Windows would ask, is “adb” should be allowed to connect to private network, say yes
9. Android Studio would show –

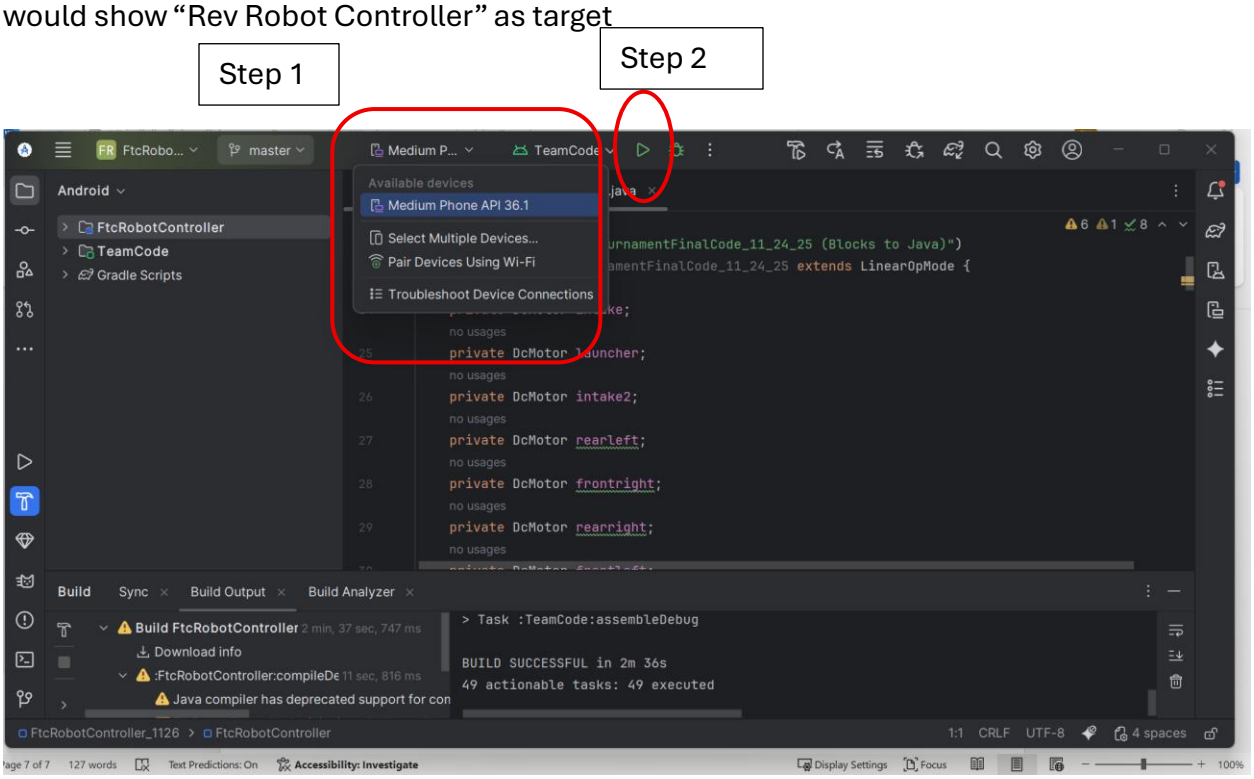


10. Open the TeamCode as shown below and then open DriverTournamentFinalCode_11_24_25.java (This is the driver control program)



How to connect to the Robot Controller –

Option1: Connect the PC to the Robot controller with USB cable, and Andriod Studio would show "Rev Robot Controller" as target



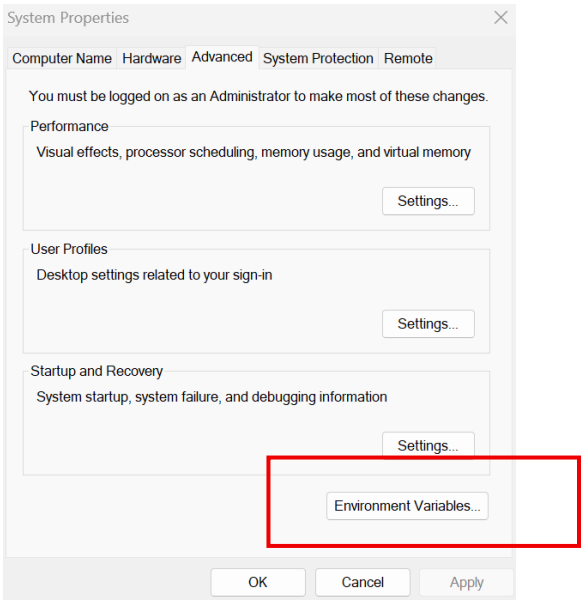
Step 1 is select the Rev Robot Controller as target, and Step2 is build and download project.

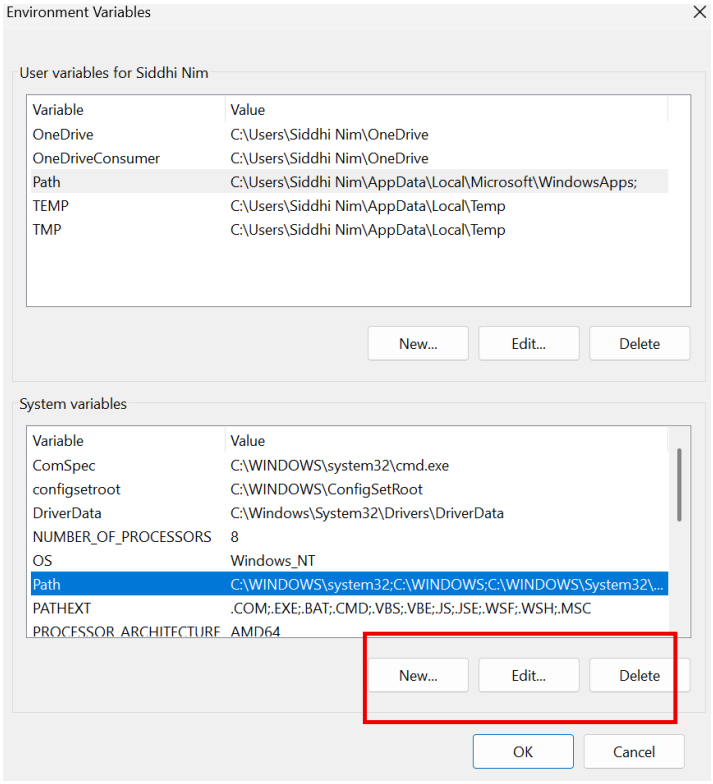
After Step2, the Robot controller would blink blue and then subsequently it turns to green

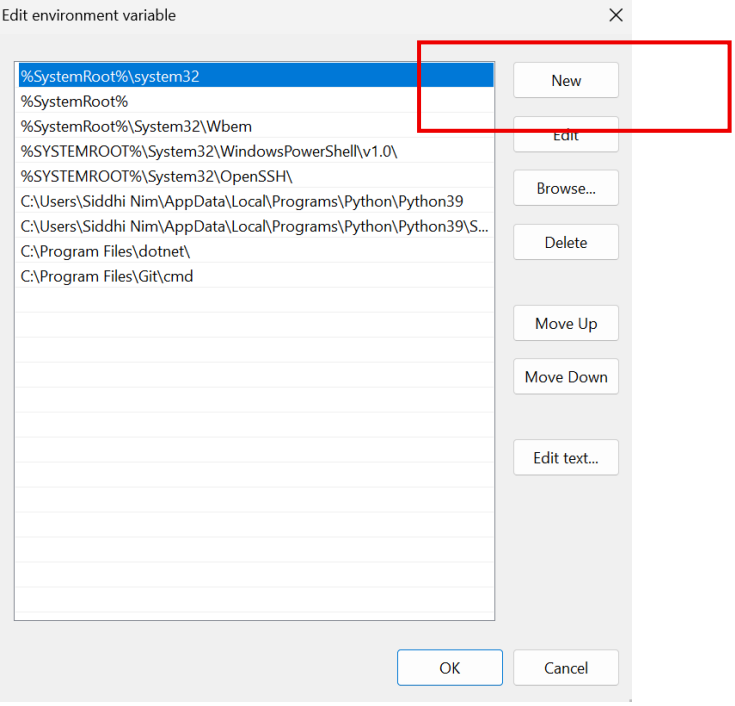
Option 2: Connect wirelessly

Do following for the first time ONLY

Add "**C:\Users\Siddhi Nim\AppData\Local\Android\Sdk\platform-tools"** in PATH environment variable

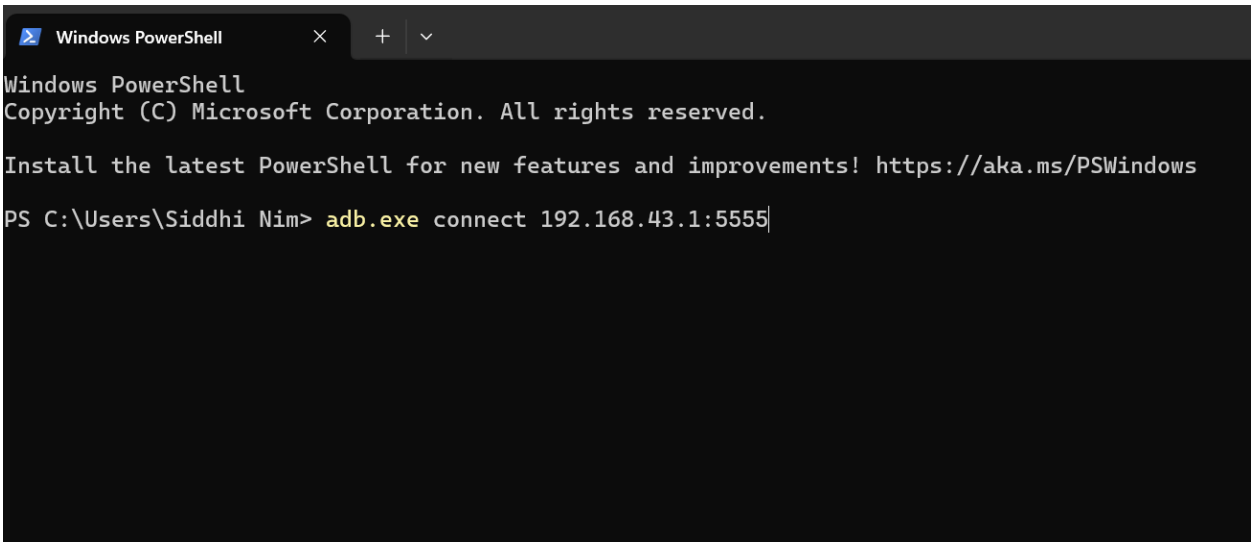

System Properties
Computer Name
Hardware
Advanced
System Protection
Remote
You must be logged on as an Administrator to make most of these changes.
Performance
Visual effects, processor scheduling, memory usage, and virtual memory
Settings...
User Profiles
Desktop settings related to your sign-in
Settings...
Startup and Recovery
System startup, system failure, and debugging information
Settings...
Environment Variables...
OK
Cancel
Apply


Environment Variables
User variables for Siddhi Nim
Variable
Value
OneDrive
C:\Users\Siddhi Nim\OneDrive
OneDriveConsumer
C:\Users\Siddhi Nim\OneDrive
Path
C:\Users\Siddhi Nim\AppData\Local\Microsoft\WindowsApps;
TEMP
C:\Users\Siddhi Nim\AppData\Local\Temp
TMP
C:\Users\Siddhi Nim\AppData\Local\Temp
New...
Edit...
Delete
System variables
Variable
Value
ComSpec
C:\WINDOWS\system32\cmd.exe
configsetroot
C:\WINDOWS\ConfigSetRoot
DriverData
C:\Windows\System32\Drivers\DriverData
NUMBER_OF_PROCESSORS
8
OS
Windows_NT
Path
C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\...
PATHEXT
.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
PROCESSOR_ARCHITECTURE
AMD64
New...
Edit...
Delete
OK
Cancel



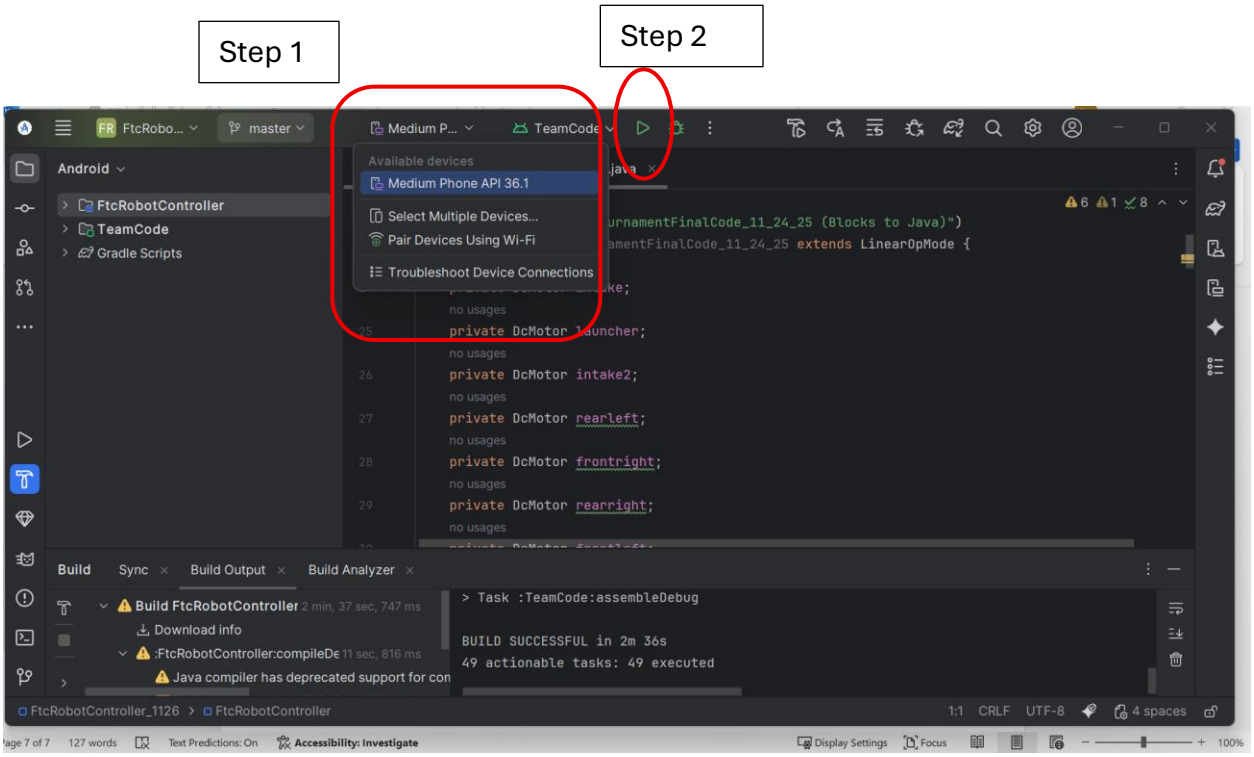
Add - **C:\Users\Siddhi Nim\AppData\Local\Android\Sdk\platform-tools**

Open PowerShell



This command would connect the PC to the Robot Controller wirelessly

Andriod Studio would show “Rev Robot Controller” as target



Step 1 is select the Rev Robot Controller as target, and Step2 is build and download project.

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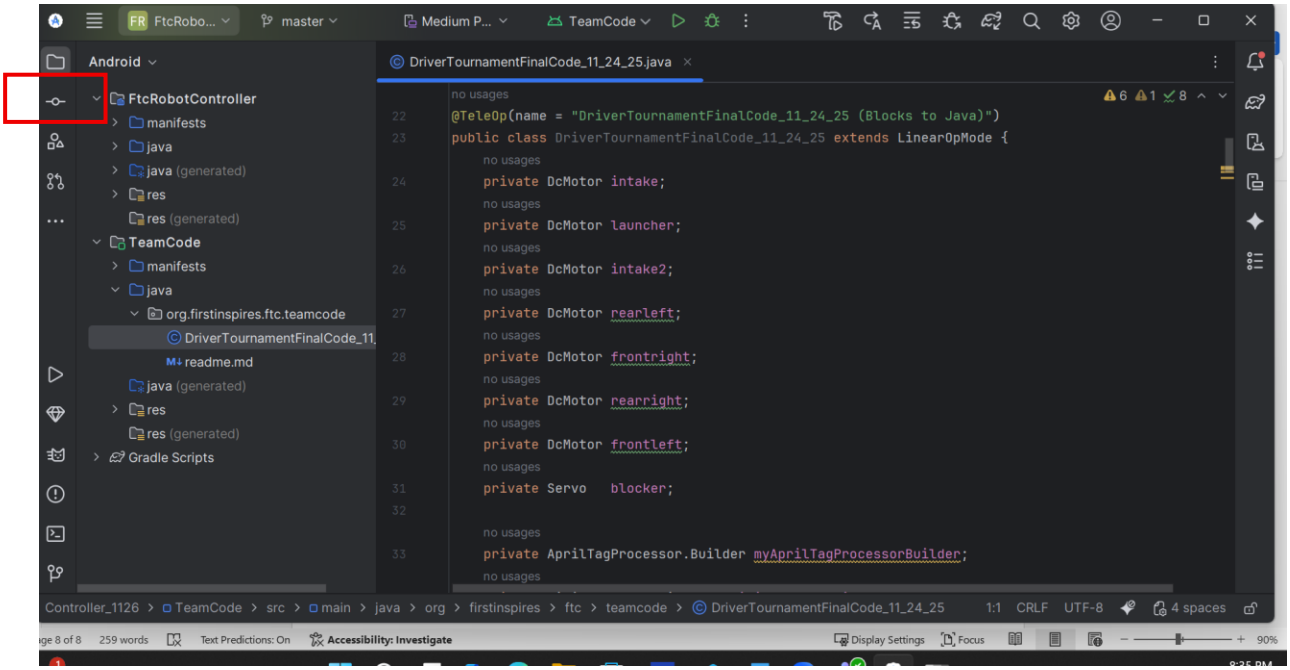
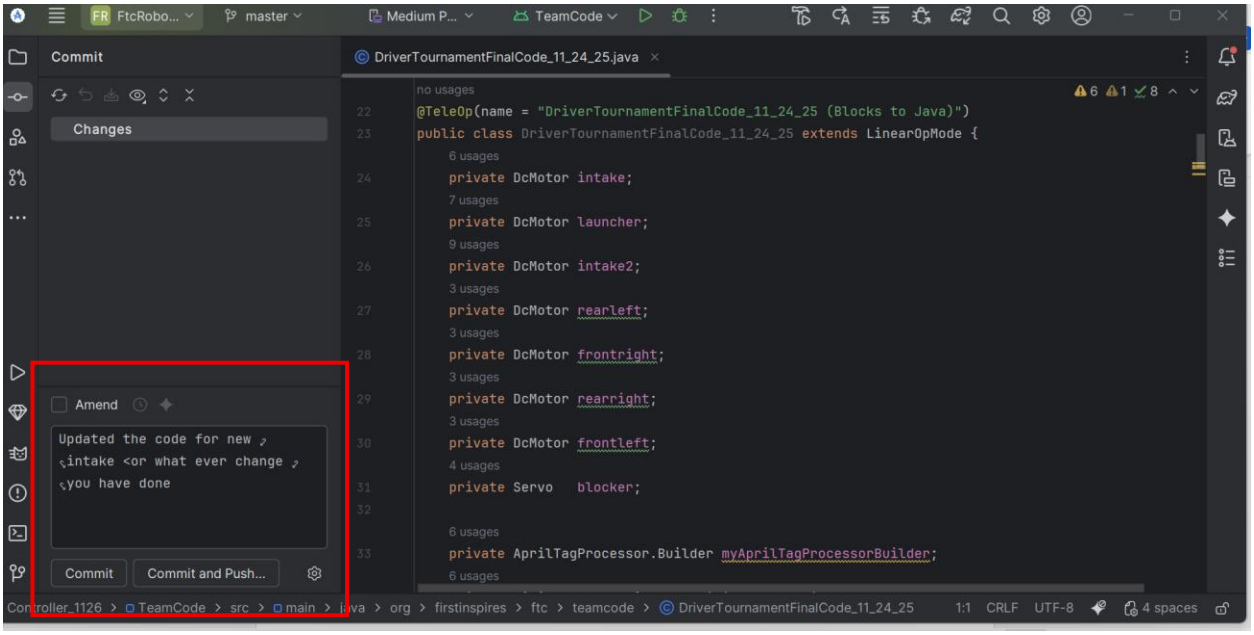
How to commit the changed code back to github?

Click on the area shown above in reb box



Add proper comment on what changed, and them “Commit and Push”. This would update the code on github and save it.