
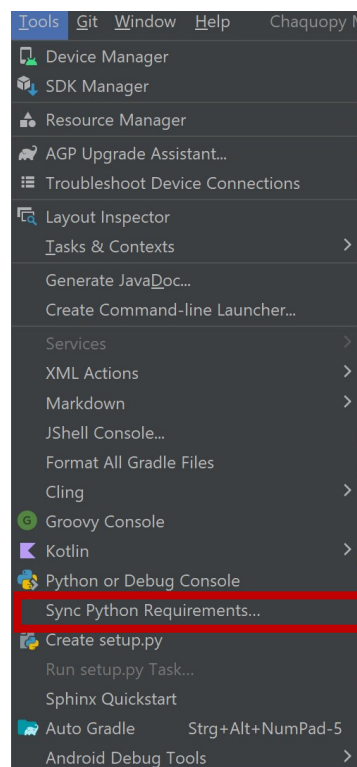
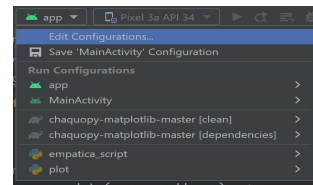


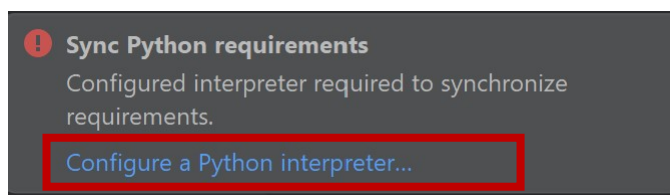
# E4link Project Python

## Instructions for Setting Up and Running the Project

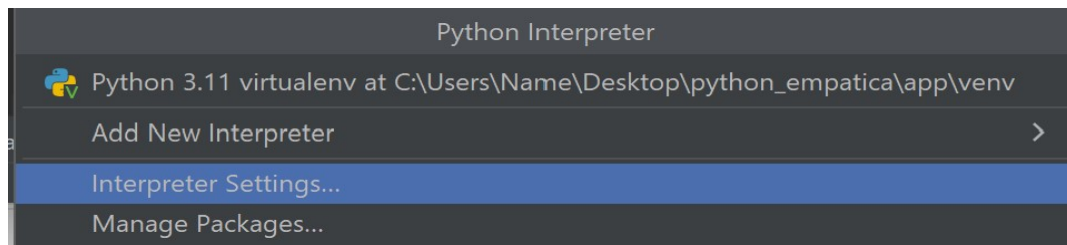
1. Open the Project in Android Studio: Launch Android Studio and open the sample project.
2. Ensure All Necessary Files and Dependencies are Included: Verify that all required files and dependencies are included (it should include all files).
3. Build and Run the Project: Initiate the build process and run the project in Android Studio. If you encounter issues with building the project or Gradle synchronization, ensure that you have the required SDK version installed. Confirm that Gradle is properly installed. You should see a small elephant icon  in the top right corner of Android Studio. If this icon is not present, navigate to `Settings > Plugins` to install Gradle.
4. Verify Proper Setup: After following these steps, if everything is set up correctly, the project should build and run MainActivity.kt or „app“ successfully.
5. If you want to run the python code which is in app/src/main/python/empatica\_script.py you have to install a python interpreter first.
6. How to setup python interpreter:



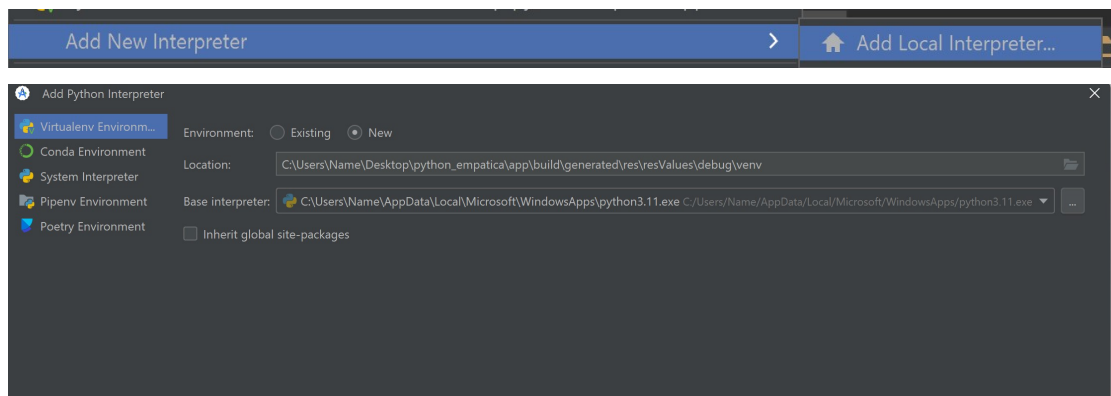
7. After a window like this will appear at the right bottom and press it



- 8.



If an interpreter already there then just use it and press it if not add an interpreter



- 9.

then add the path of your python interpreter to this

10. After successful doing this you should be able to run the python script and it also can connect to the empatica writsband



## Additional Notes

- empatica\_script.py: This file integrates the Empatica device using Python code.
- MainActivity.kt: This is the main file to run the app but cannot connect to the Bluetooth or Empatica device.

## Known Issues

Python and Kotlin Integration: The Python script cannot run simultaneously with the Kotlin script. This causes the Kotlin file to successfully run the app on an emulator or connected device but fail to establish a Bluetooth connection to the Empatica device. Conversely, the Python script can connect to the Empatica device but cannot run the app on the emulator or connected device.

## Troubleshooting

- Ensure that the necessary permissions for Bluetooth and location access are granted.
- Check that the Python environment is correctly configured and integrated with the Android project using Chaquopy.
- Consider using alternative libraries or frameworks that may better support the integration of Python and Kotlin for seamless Bluetooth connectivity.