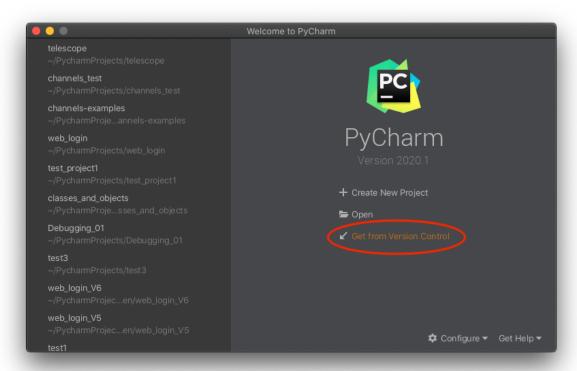
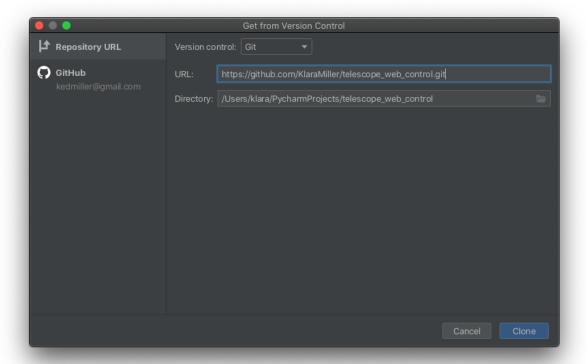
PyCharm Project Setup

Turn on zybo board

1. Start Pycharm > Get from Version Control



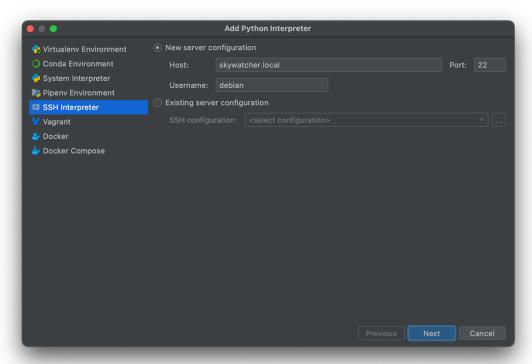
Clone the telescope webcontrol project from github:



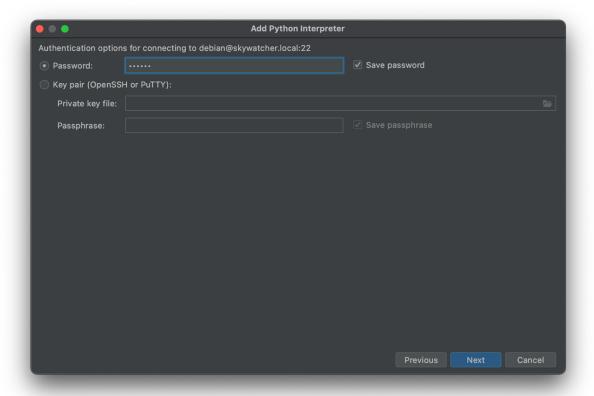
2. Add Python Interpreter

PyCharm > Preferences (or Settings) > Project: telescope_web_control > Python Interpreter Click on gear symbol on top right > Add

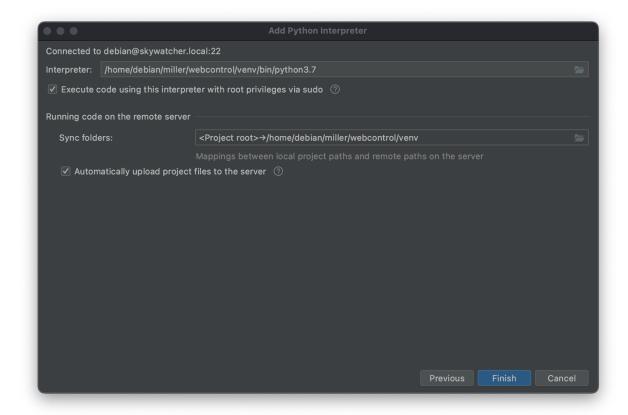
Select SSH Interpreter > Choose New server configuration Add Host (IP Address or defined hostname) and Username



Type in password of zybo board PW: debian

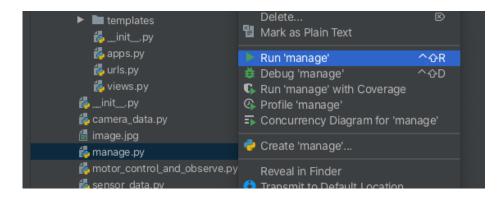


Add Interpreter Settings and press Finish and Ok

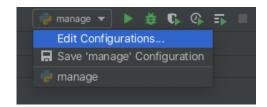


3. Create a Run Configuration

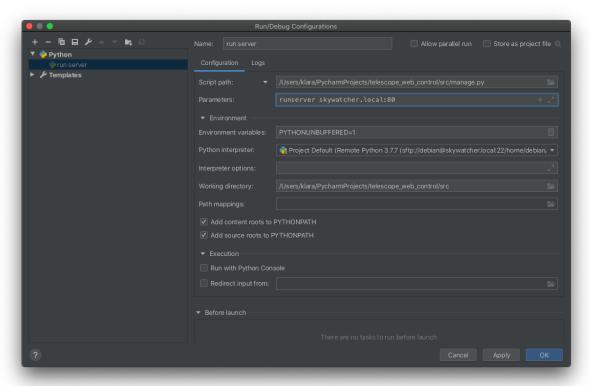
In the main window open the project window, where the code is displayed. Right click on manage.py and run the file and stop the script again after a few seconds. It can't be executed yet, but PyCharm creates a configuration for this script, that can than be altered.



On right top of main window click Edit Configuration:



Change Name and Parameters:



Now start the script by right clicking on manage.py again as shown above. In addition, start the following two scripts: motor_control_and_observe.py, sensor_data.py

The website is now online and can be accessed:

```
Run:  motor_control_and_observe × run server × sensor_data ×

dudo+ssh://debian@skywatcher.local:22/home/debian/miller/webcontrol/venv/bin/python3.7 -u /home/debian/miller/webcontrol/venv/src/manage.py runserver skywatcher.local:88

Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

November 26, 2020 - 12:52:29

Django version 3.0.7, using settings 'telescope_site_config.settings'
Starting ASDI/Channels version 2.4.0 development server at http://skywatcher.local:88/
Quit the server with CONTROL-C.
```