**How to setup your project locally to be able to dev**

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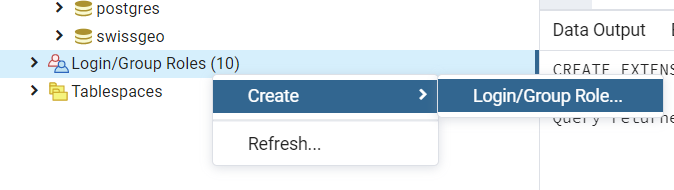
# Pre-requirements

* [PostgreSQL V12](https://www.postgresql.org/download/windows/) installed with PostGIS and pgAdmin modules
* Clone Github Project : https://github.com/PierreAnken/HEVS\_S8\_GIS\_Camping.git

# Setup local DB in pgAdmin

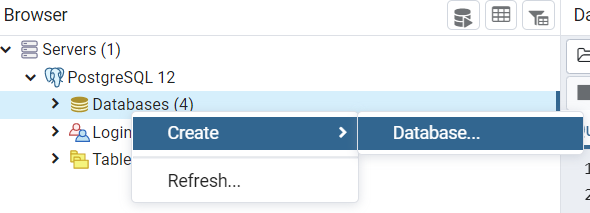
Create new admin user

* Name: admin
* Password: adminPWD
* Privileges: can login + superuser

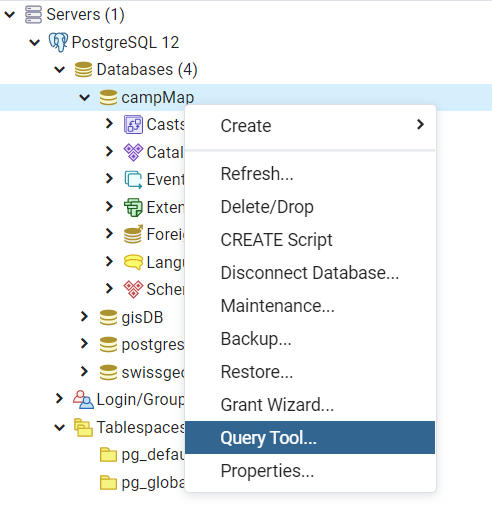


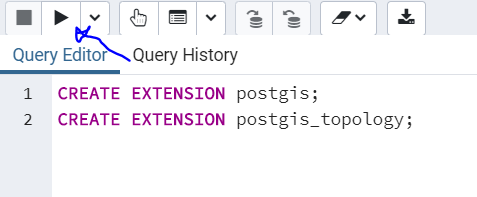
Create new database

* Database: campMap
* Owner: admin



Enable PostGis in your new DB

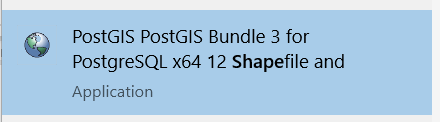




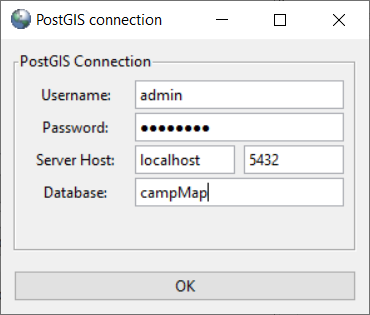
CREATE EXTENSION postgis;  
CREATE EXTENSION postgis\_topology;

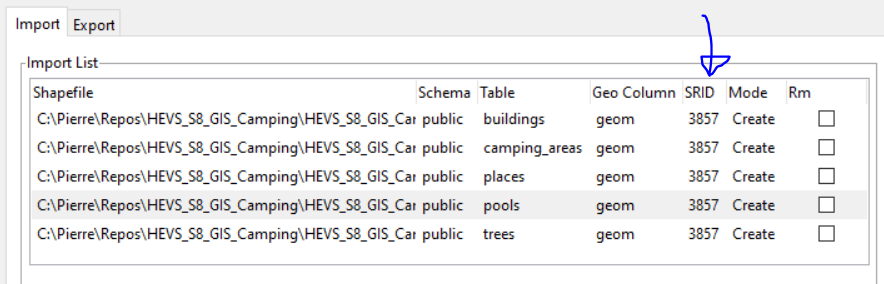
# Import camping shapes

Search for “shapes” in windows search menu



Edit connection details





**Notice:** Import files from GitHub to have correct table names

# Import environment

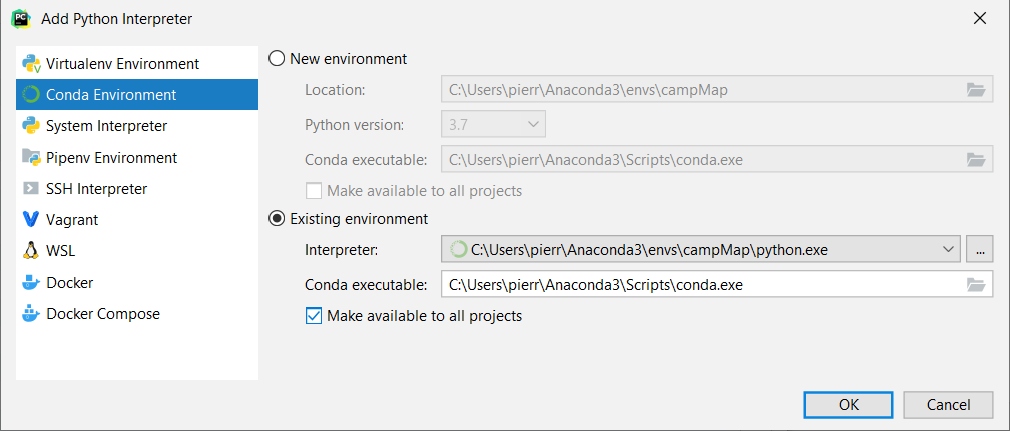
Open Anaconda Navigator interface and import env. from the file in github HEVS\_S8\_GIS\_Camping\HEVS\_S8\_GIS\_Camping\Doc\spec-list.txt

# Setup PyCharm

Open the folder HEVS\_S8\_GIS\_Camping\HEVS\_S8\_GIS\_Camping in PyCharm as project.

In settings => project => project interpreters => add a new interpreter (cogs icon top right).

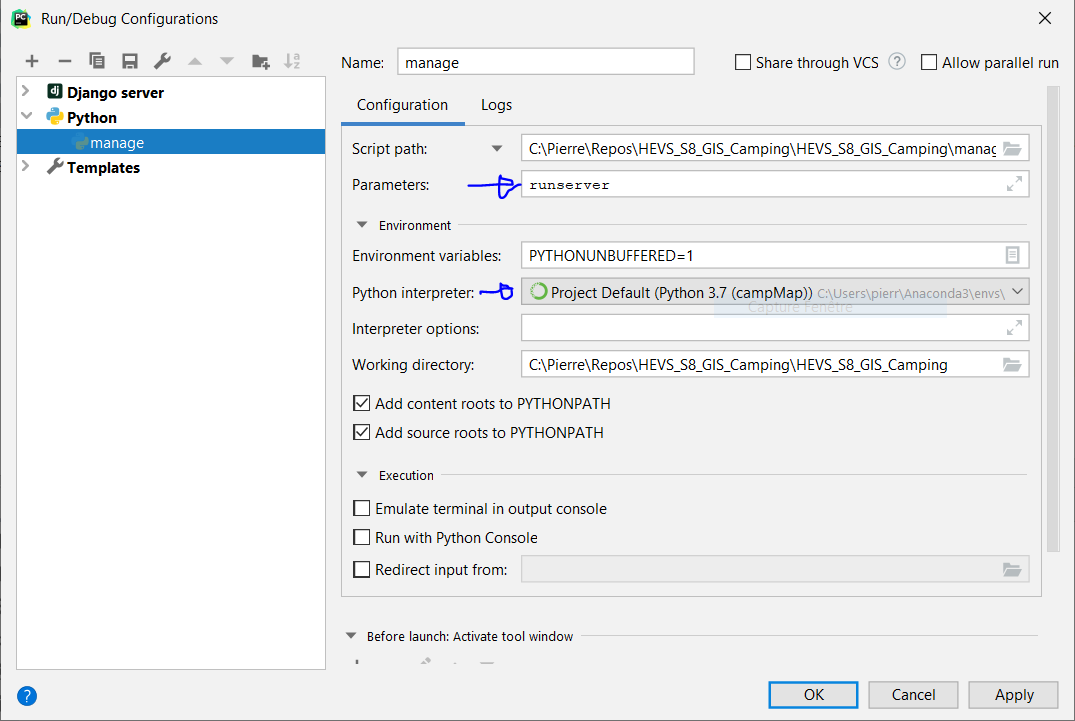
Select the python.exe inside the env. you imported previously.



In PyCharm right click on manage.py and run.

It wont works but will create you a run configuration (drop menu top right).

Edit the configuration as following:



Let PyCharm update everything with the new configuration and run your project.

Install from PyCharm terminal any missing module with pip3 install packageName

# WARNING: Windows users

***(NEW)*** It is important to follow the procedure provided by Django: <https://docs.djangoproject.com/en/3.0/ref/contrib/gis/install/#windows>

Don’t forget to install OSGeo4W!

Then, verify to have the repositories mentioned at the top of settings.py installed on your computer (and at the same locations!). If it still doesn't work, as last resort, you can create a batch to change your environment variables.

**set** OSGEO4W\_ROOT**=**C:\OSGeo4W64

**set** PYTHON\_ROOT**=**C:\Users\[USER]\AppData\Local\Programs\Python\Python38-32

**set** GDAL\_DATA**=%OSGEO4W\_ROOT%**\share\gdal

**set** PROJ\_LIB**=%OSGEO4W\_ROOT%**\share\proj

**set** PATH**=%PATH%**;**%PYTHON\_ROOT%**;**%OSGEO4W\_ROOT%**\bin

reg ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Environment" /v **Path** /t REG\_EXPAND\_SZ /f /d "**%PATH%**"

reg ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Environment" /v GDAL\_DATA /t REG\_EXPAND\_SZ /f /d "**%GDAL\_DATA%**"

reg ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Environment" /v PROJ\_LIB /t REG\_EXPAND\_SZ /f /d "**%PROJ\_LIB%**"