PostgreSQL Databases & Python

## Introduction

### What will you learn in this class

## Data Storage and Usage

### Introduction

See appendix on using PyCharm

### Store and read data in python with text files

Install the **pyreadline** module using the package load for python, **pip.** Note that module **readline** does not work in windows.

pip install pyreadline

### Store and read data in python with excel files

### What is a database and what are the use caes

### What are the different Linux dtaabases

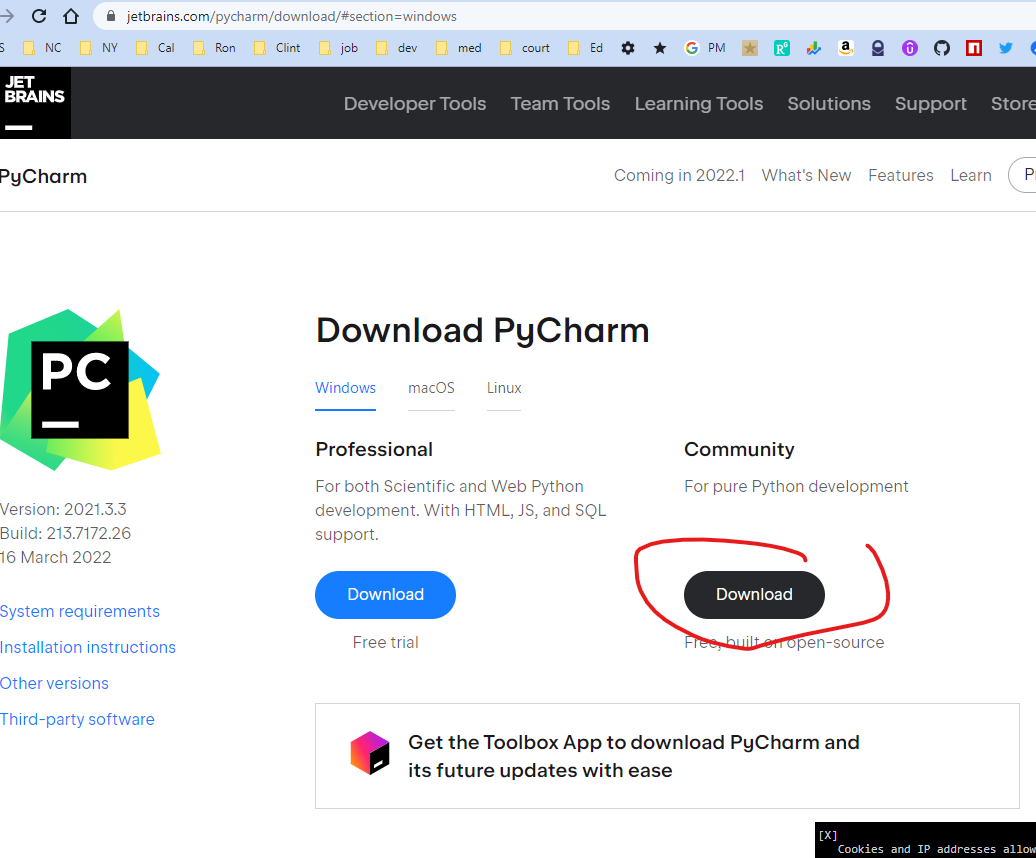
### Why use databases

Appendix

## Using PyCharm

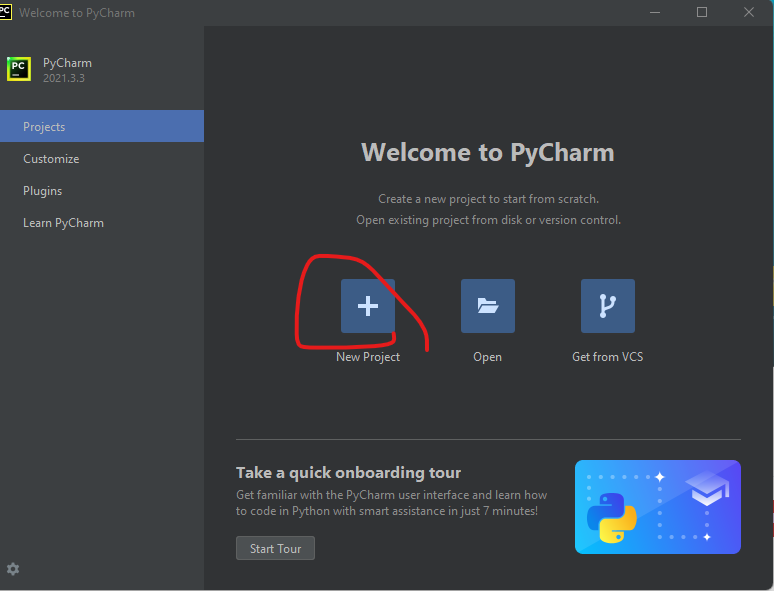
### Download

<https://www.jetbrains.com/pycharm/download/#section=windows>

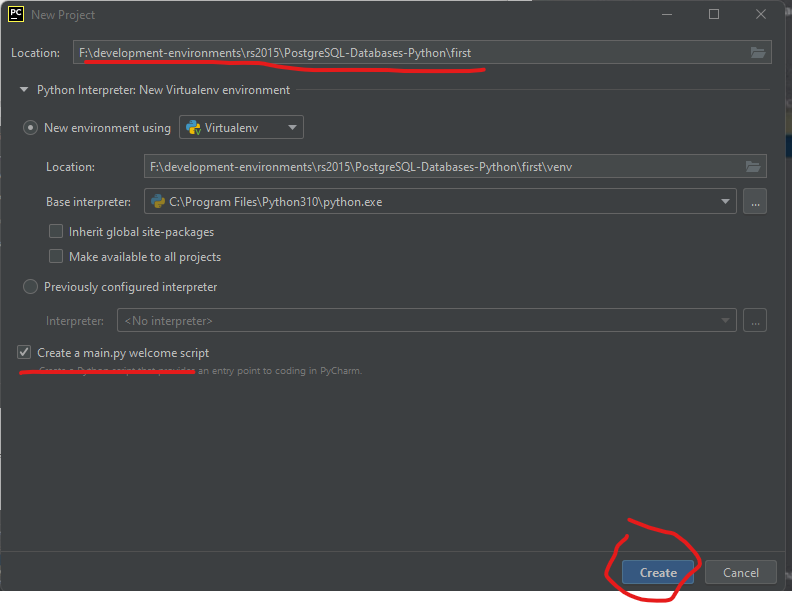


### Create a new project

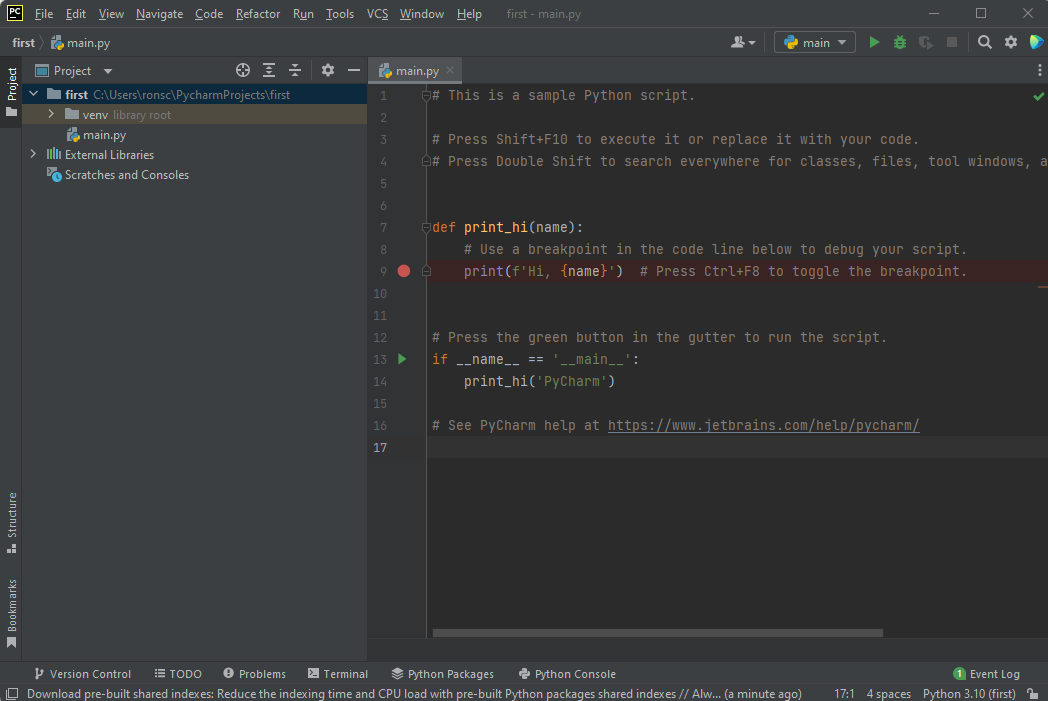
<https://www.youtube.com/watch?v=HHcZbXsZtm0&list=WL&index=10>



Add project called “first” and use all default settings

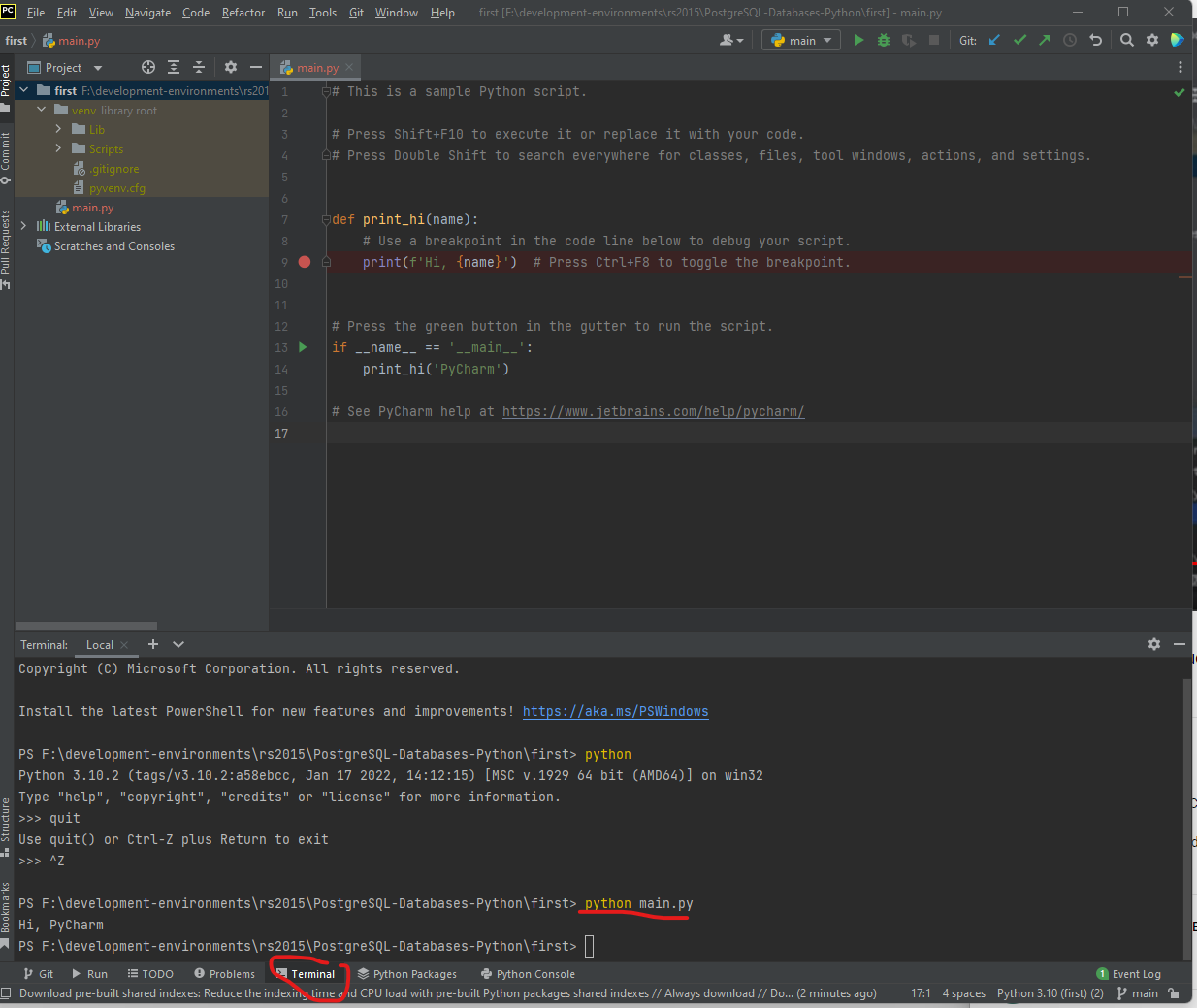


After a few second you should see something like

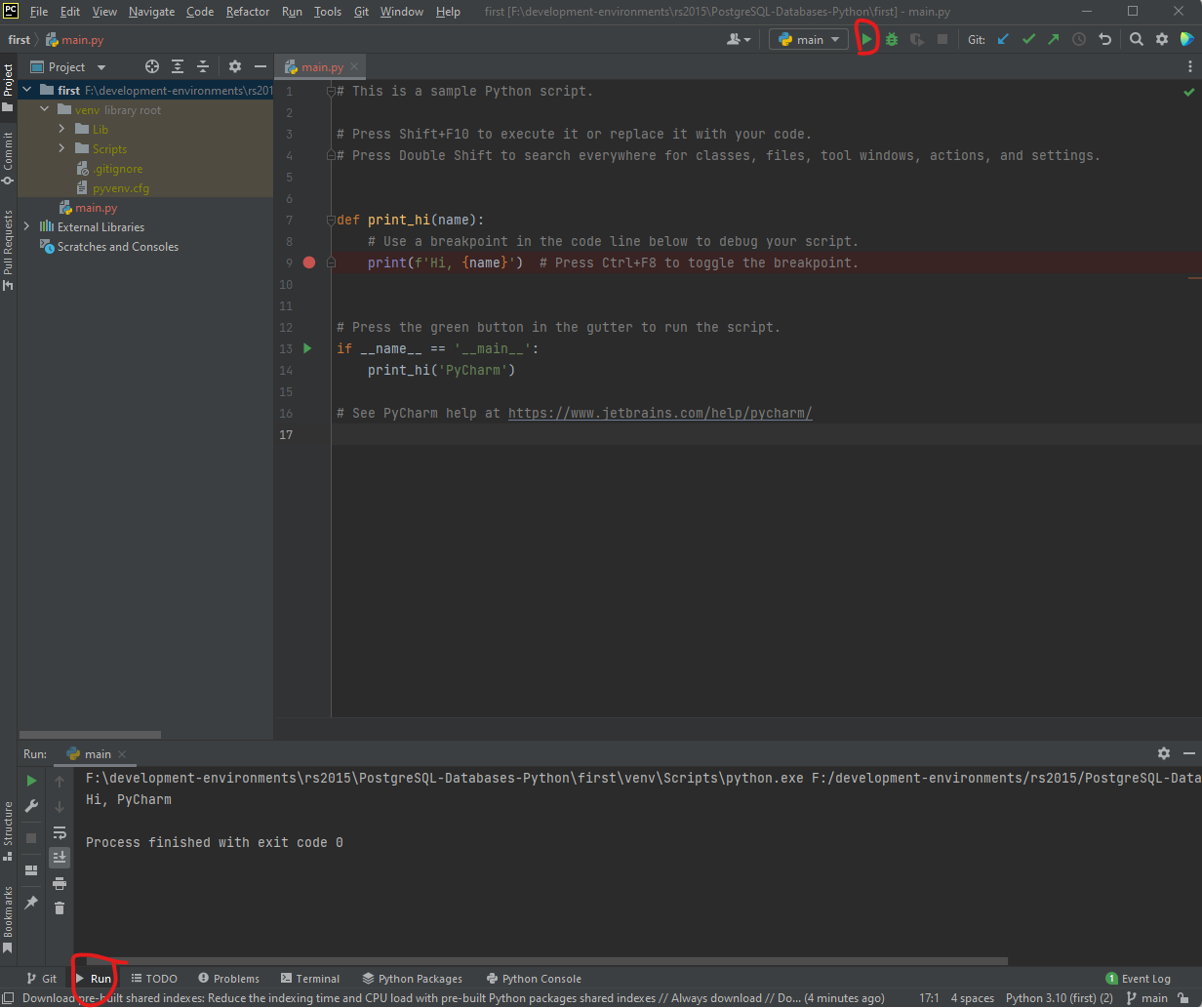


### Run a program

Click on the terminal tab in the bottom frame and type **python main.py** to run

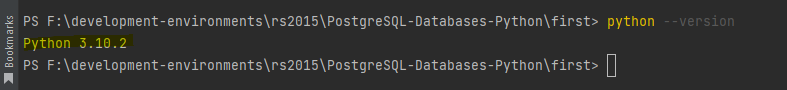


You can also run by clicking the green play arrow in the toolbar. The output will be sent to the Run tab of the bottom frame



### Python and pip

Check version of python. Want at least 3



The command **pip** is the python package loader

Update **pip**

python.exe -m pip install --upgrade pip