

Software for DSA5101

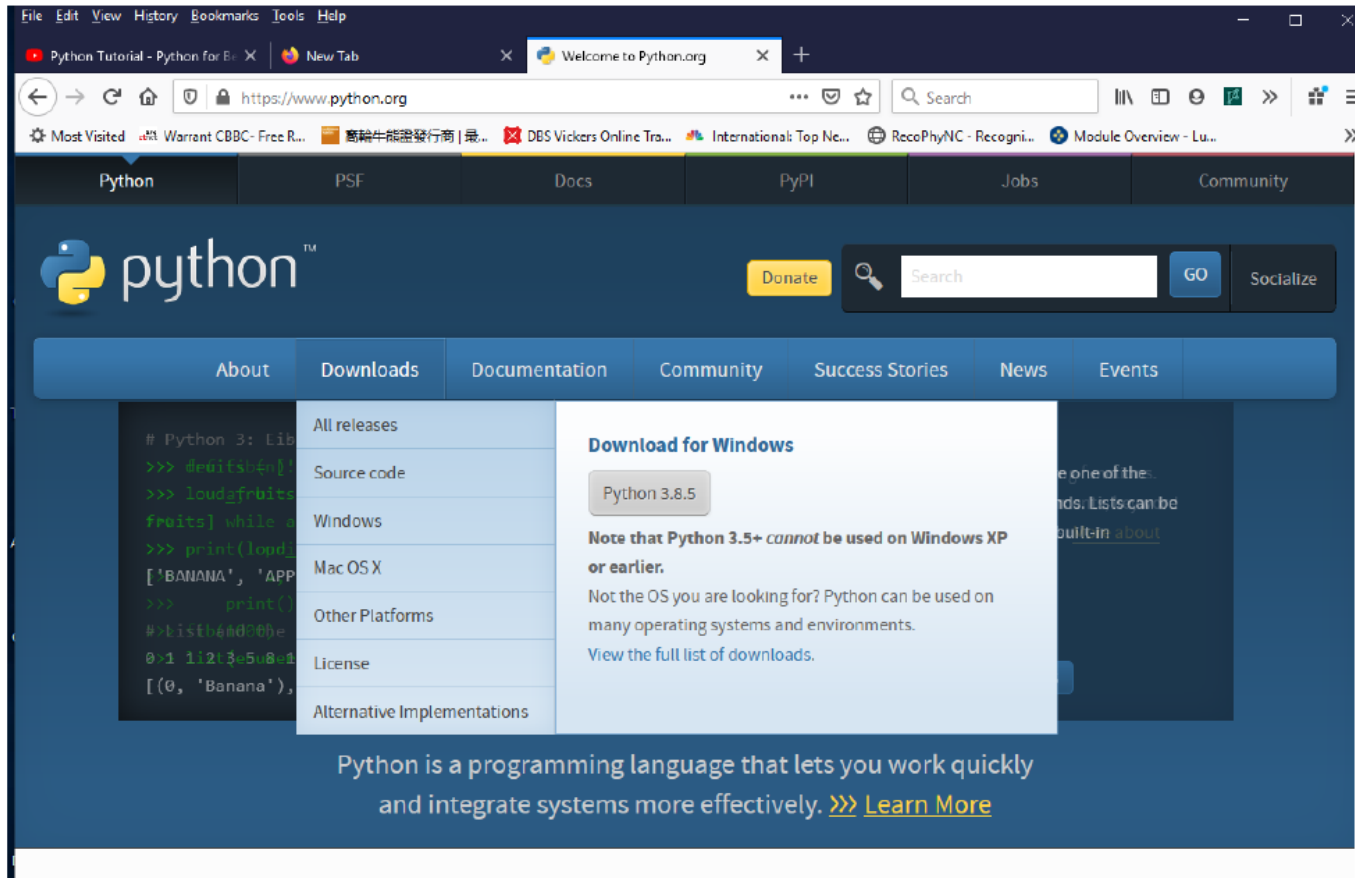
- <https://nusit.nus.edu.sg/eguides/> for installation of VPN (Pulse Secure), VIP Access to access NUS intranet and use computing and library facilities on campus
- Install free Python and platforms:
- **Python 3.10.5** (www.python.org)
PyCharm (Community version, www.jetbrains.com/pycharm/download/#section=windows)
and (later) JupyterNotebook

Instructions for installation are given in the end of this lecture slide file.

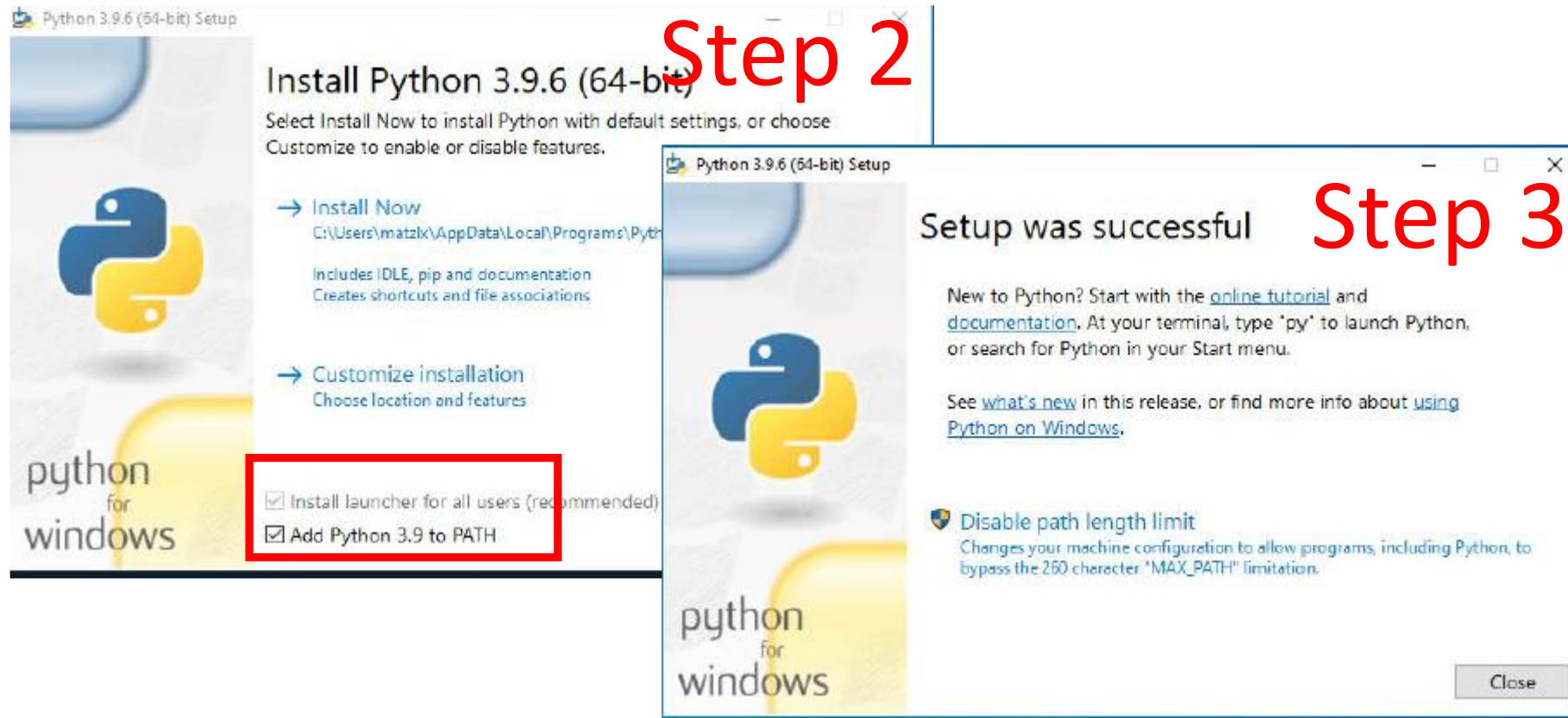
- In case you don't have a PC or notebook, you can log onto HPC clusters remotely and learn Python & R programming on a Linux PC cluster. For information, <https://nusit.nus.edu.sg/hpc/>

Install Python on you PC

1. Go to www.python.org to download Python 3.10.5 (recent version)

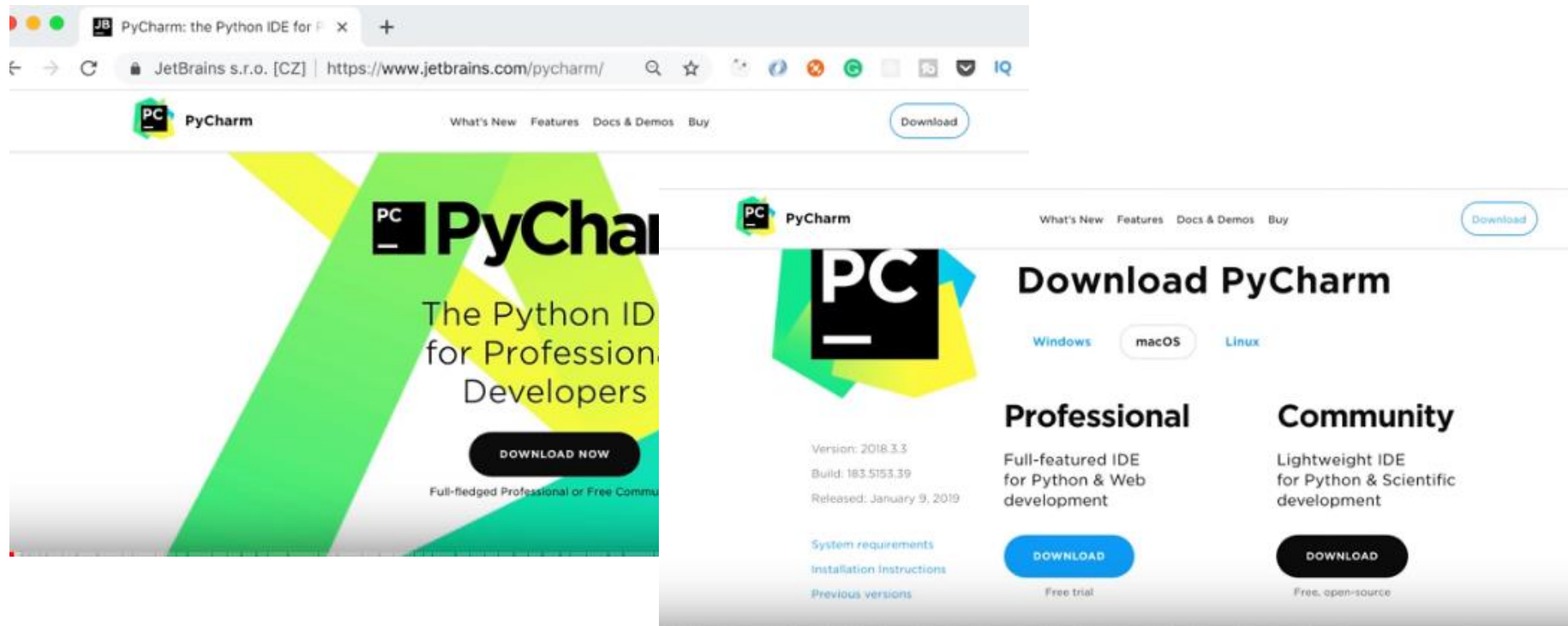


- 2) Click Add Python xxx to PATH in **the red-box below**
- 3) Your installation is done if you see the message shown below on the right.



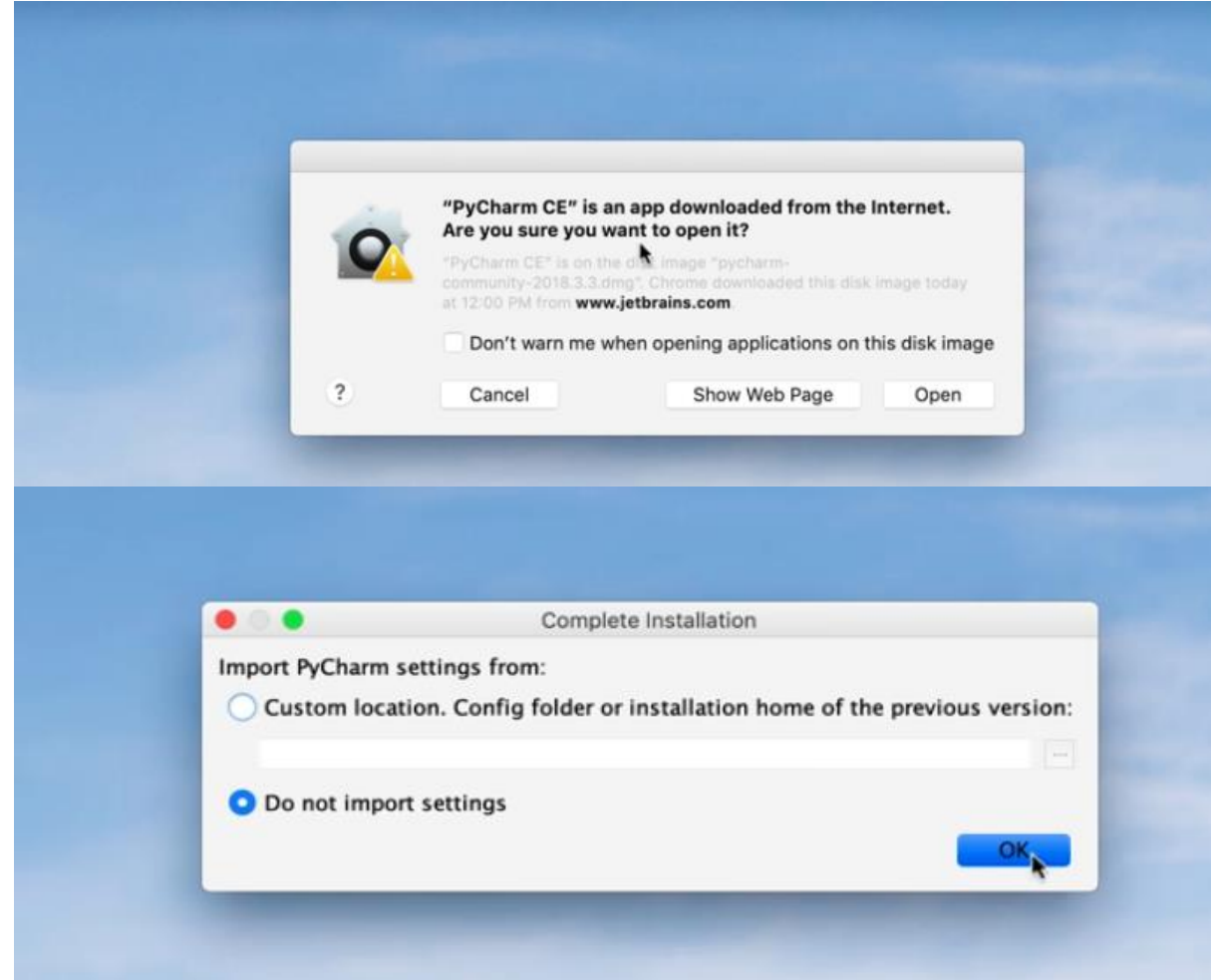
Install Python on you PC

Go to www.jetbrains.com/pycharm/download/#section=windows to download PyCharm (community version) for your computer

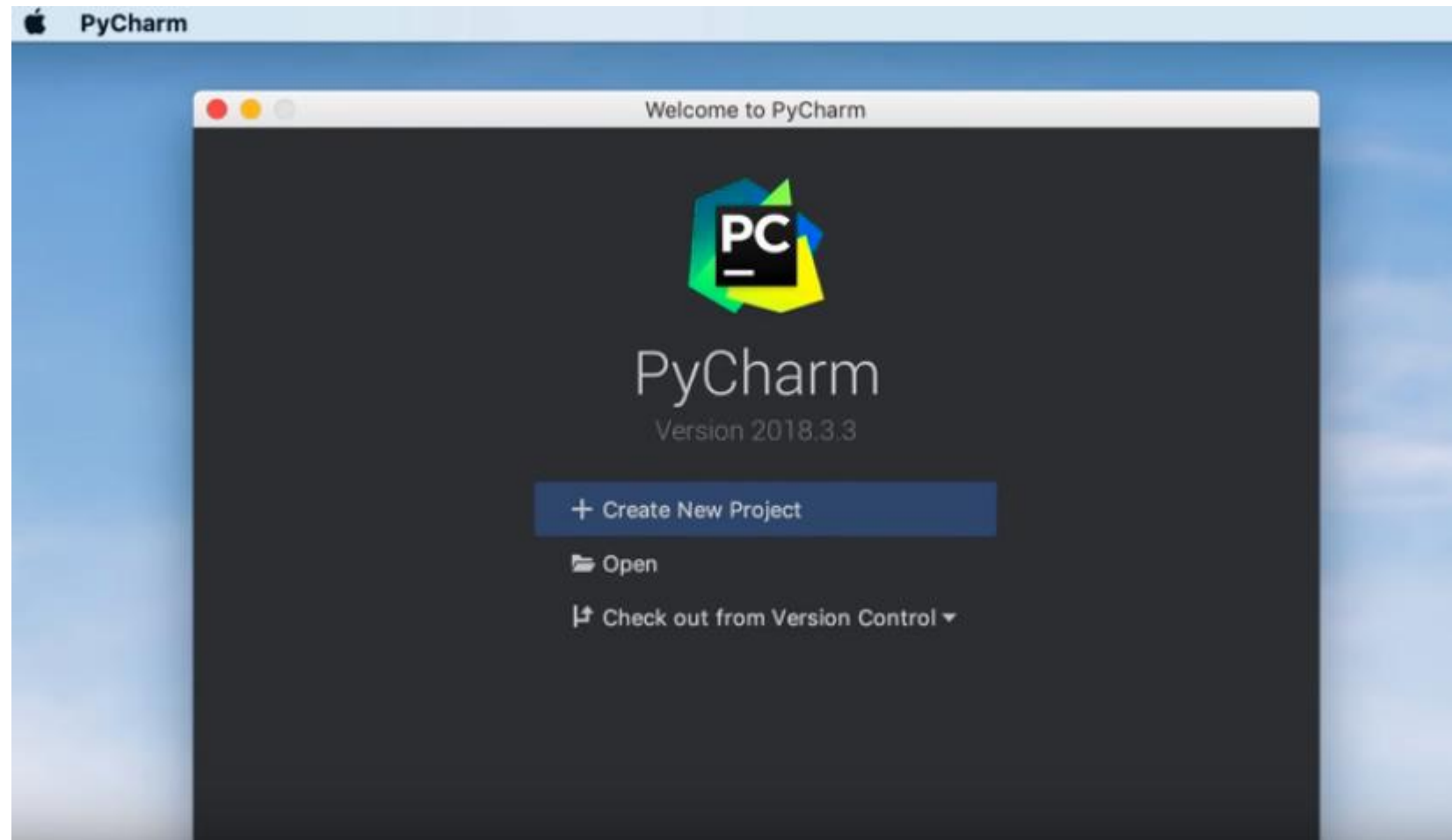


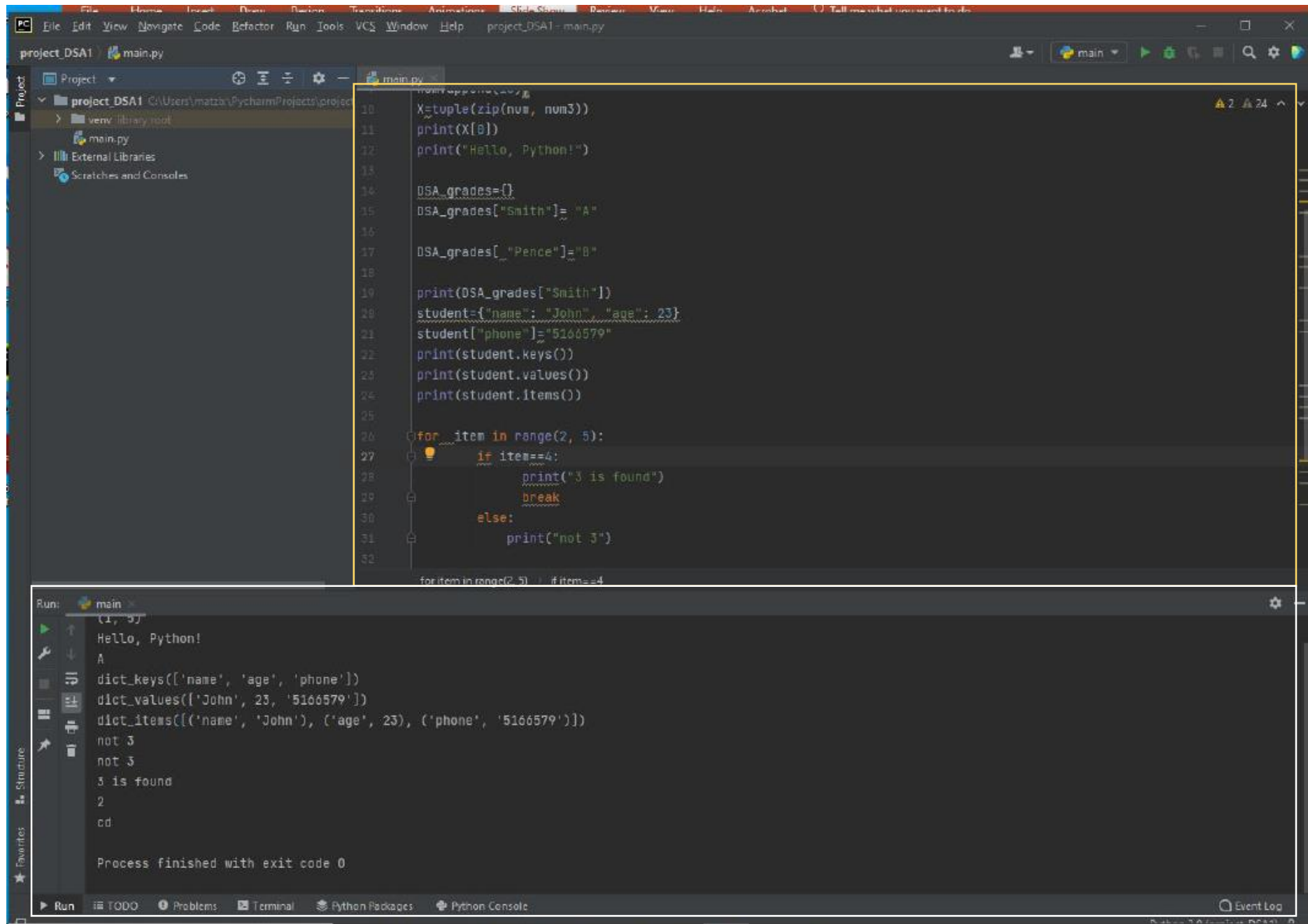
When you first start PyCharm,
You will see these pop ups.

You don't need to do anything.
Just click Open and then OK.

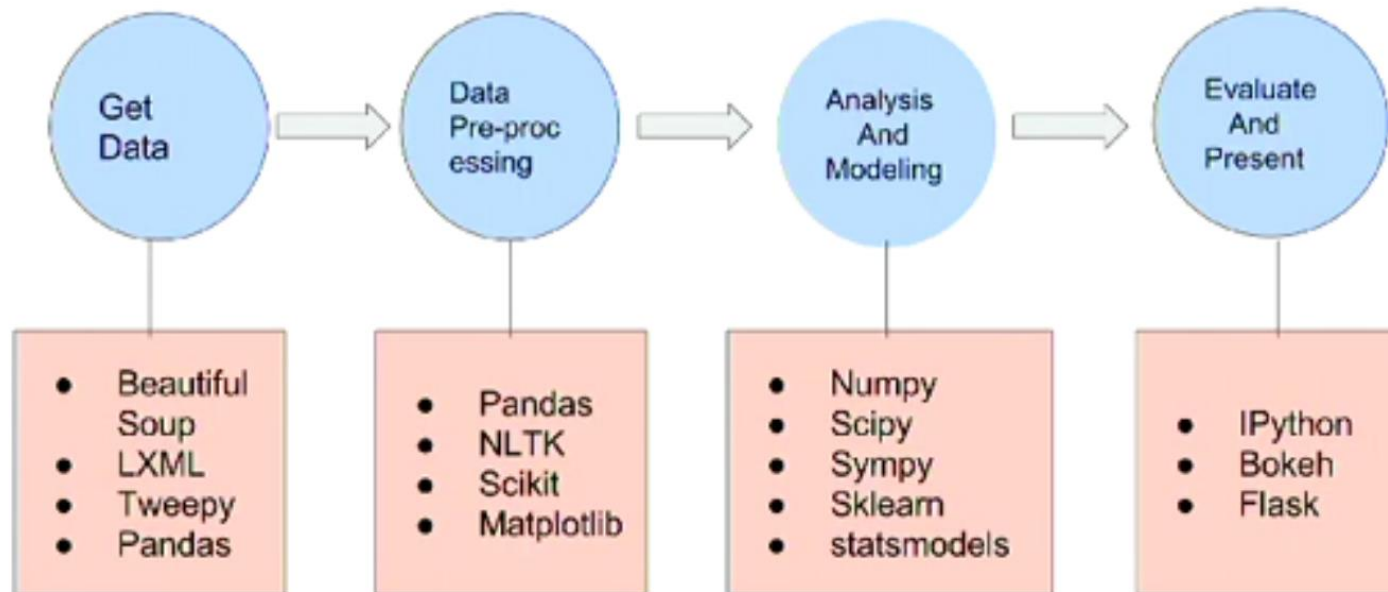


When you reach here,
you can click
“Create new project/”
to write your first
py program.





Data Science with Python



Videos for Python programming and data structures

<https://www.youtube.com/c/Coreyms>

<https://www.youtube.com/c/joejamesusa/videos>