# 1. Introduction



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### Overview

- Development Tools
- Environments Setup
- Let's have a TRY!

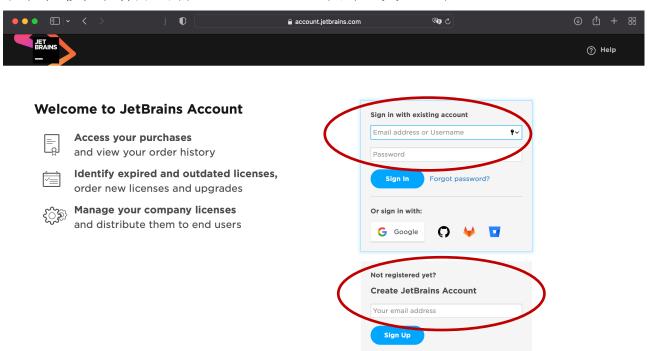


- Download & Install 下载并安装Pycharm
  - https://www.jetbrains.com/zh-cn/pycharm/download/





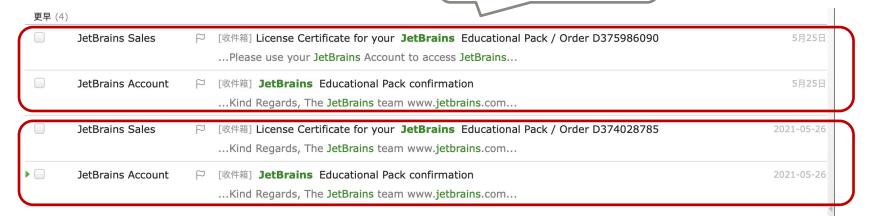
● 用学校邮箱注册JetBrains账户并登录





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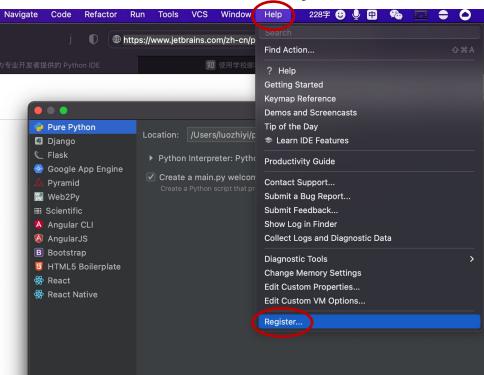
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1. 首次申请license, 有效期一年。

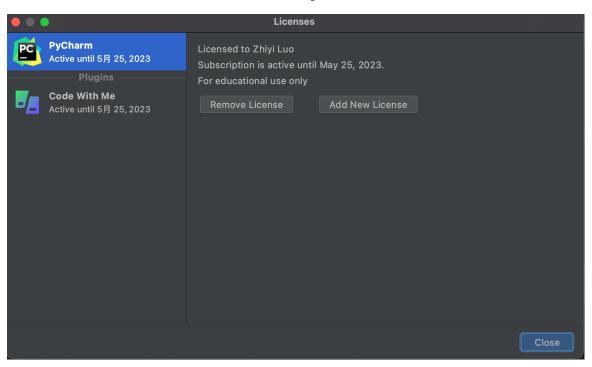


● 用申请到的license激活Pycharm





● 用申请到的license激活Pycharm





- Download Anaconda Installer
  - 官方下载链接: <a href="https://www.anaconda.com/products/distribution">https://www.anaconda.com/products/distribution</a>
  - ANACONDA. Products Pricing Solutions Resources Partners Blog Company

Individual Edition is now

#### ANACONDA DISTRIBUTION

The world's most popular opensource Python distribution platform

浏览器会根据当前使用的操作系统为你推荐安装文件, 点击"Download"下载即可。



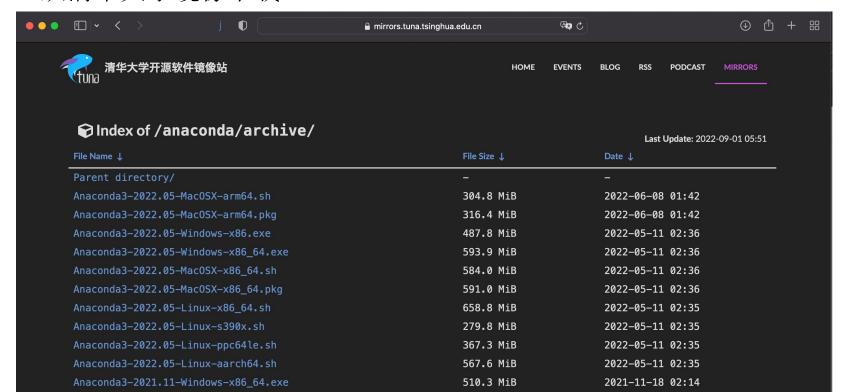
**Contact Sales** 



- 从清华大学镜像下载Anaconda
  - 如果安装包下载速度过慢,可以使用Anaconda国内源(例如:清华大学 镜像)进行下载。
  - Anaconda清华源的下载列表链接为:
     https://mirrors.tuna.tsinghua.edu.cn/anaconda/archive/



#### 从清华大学镜像下载Anaconda





- 从清华大学镜像下载Anaconda
  - 下载完成之后,双击安装包进行安装。



- 从清华大学镜像下载Anaconda
  - 使用帮助文档在:

https://mirrors.tuna.tsinghua.edu.cn/help/anaconda/

- 在用户目录下配置.condarc文件
- macOS和Linux用户可直接在用户目录/home/username下创建.condarc文件,并写入配置内容。
- Windows用户无法直接创建名为.condarc的文件,可先执行 conda config –set show\_channel\_urls yes命令生成该文件,再写入配 置内容。



- 创建Python虚拟环境
  - conda create -n <环境名称>
  - 例如,可以使用如下命令将新建环境命名为pycourse,并指定该环境的 Python版本为3.9: conda create -n pycourse python=3.9
- 查看Anaconda中的所有虚拟环境
  - conda info --envs
- ◎ 激活指定环境
  - conda activate <环境名称>
- 退出当前激活的环境
  - conda deactivate

如果.condarc中配置了清华源 此处无需翻墙即可成功。

# Let's have a try!



## Running Python

Using the Interactive Interpreter

```
06:44:29 with luozhiyi in ~ via ⊜base
→ python
Python 3.8.5 (default, Sep 4 2020, 02:22:02)
[Clang 10.0.0 ] :: Anaconda, Inc. on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

### Running Python

Use Python Files

```
make a Python program file and run it:
```

- 1. Open your text editor.
- 2. Type the line print(61).
- 3. Save this to a file called 61.py.
- 4. open a terminal window
- 5. Run your program by typing the following:
- \$ python 61.py

You should see a single line of output:61

# Python as a calculator





print('Hello World')



```
# Define a main() function that prints a little greeting.
def main():
    print('Hello World')
main()
```



```
# Define a main() function that prints a little greeting.
def main():
    print('Hello World')

main()
    Indent: Four spaces
```



```
# Define a main() function that prints a little greeting.
def main():
    print('Hello World')

# This is the standard boilerplate that calls the main() function.
if __name__ == '__main__':
    main()
```



```
import sys
# Define a main() function that prints a little greeting.
def main():
    # Get the name from the command line, using 'World' as a fallback.
   if len(sys.argv) >= 2:
        name = sys.argv[1]
   else:
        name = 'World'
    print('Hello', name)
# This is the standard boilerplate that calls the main() function.
if name == ' main ':
   main()
```



```
import sys
# Define a main() function that prints a little greeting.
def main():
   # Get the name from the command line, using 'World' as a fallback.
    if len(sys.argv) >= 2:
       name = sys.argv[1]
    else.
       name = 'World'
   print('Hello', name) How many spaces are there?
# This is the standard boilerplate that calls the main() function.
if name == ' main ':
   main()
```