第二章 Blockly 与数据分析
开发环境搭建与使用

目录

1、安装**Miniconda**

进入网址：https://docs.conda.io/en/latest/miniconda.html

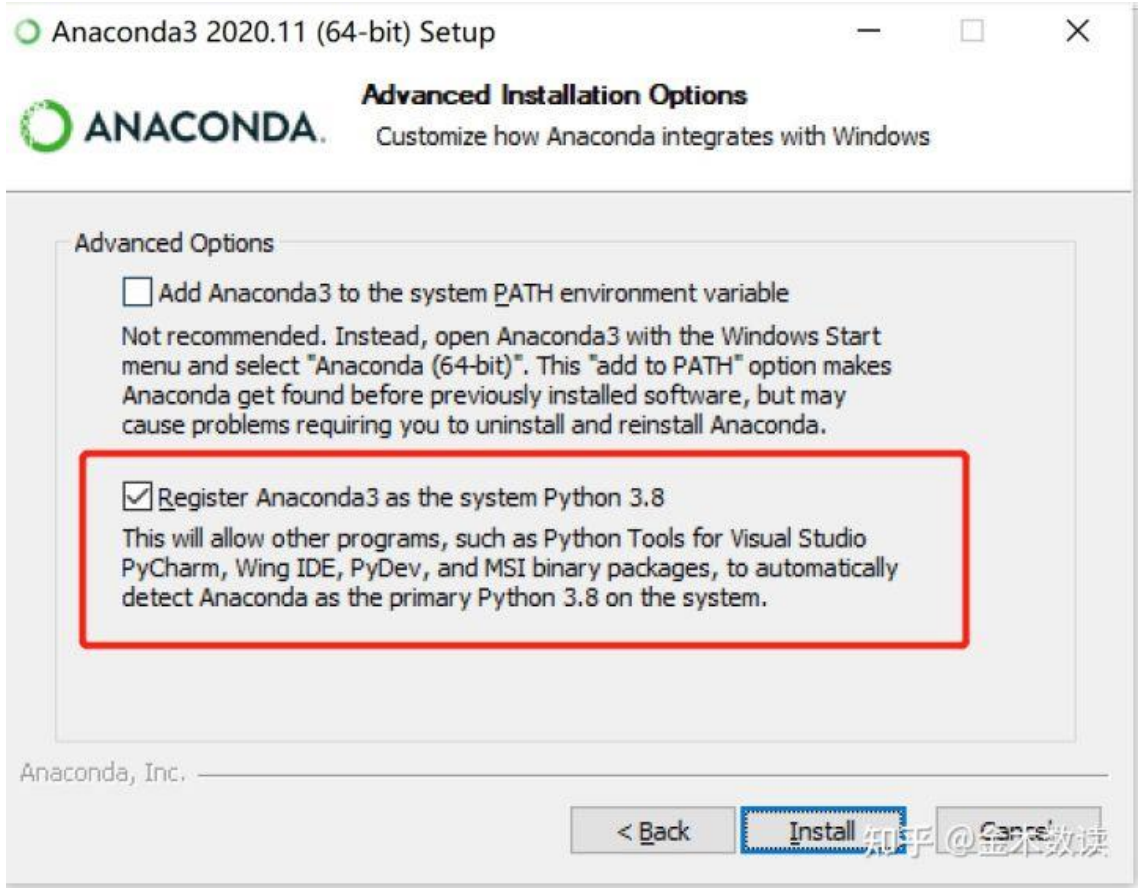
找到**Windows installers**，第一个是自带Python 3.9版本，点击下载；下载后直接下一步进行安装

Windows installers

Windows

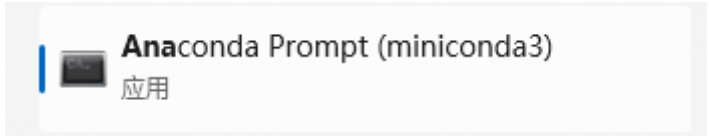
Python version	Name	Size	SHA256 hash
Python 3.9	Miniconda3 Windows 64-bit	70.4 MiB	6013152b169c2c2d4bcd75bb03a1b8bf208b8545d69116a59351af695d9a0081
Python 3.8	Miniconda3 Windows 64-bit	69.8 MiB	29d8d1720034df262b079514e5f200140f7303b37bfe90ae8a2b40b8f294d2d8
Python 3.7	Miniconda3 Windows 64-bit	68.1 MiB	0b4890b2b1782c91ae2de2f77a2f6c5cecb9b54729565771f5301c1fc60fa024
Python 3.9	Miniconda3 Windows 32-bit	66.5 MiB	12a3a7e8aab7a974705ea4ee5bfc44f7c733241dd1b022f8012cbd42309b8472
Python 3.8	Miniconda3 Windows 32-bit	65.6 MiB	df115c77915519a9a4de9c04ca26f81703be6ac0344762023557fc7659659ac0
Python 3.7	Miniconda3 Windows 32-bit	64.2 MiB	64a18114bc66aaa73f431ef8ca1edc7b16ad5564a16e18f13e1a69272d85ca5d

- 勾选加入path

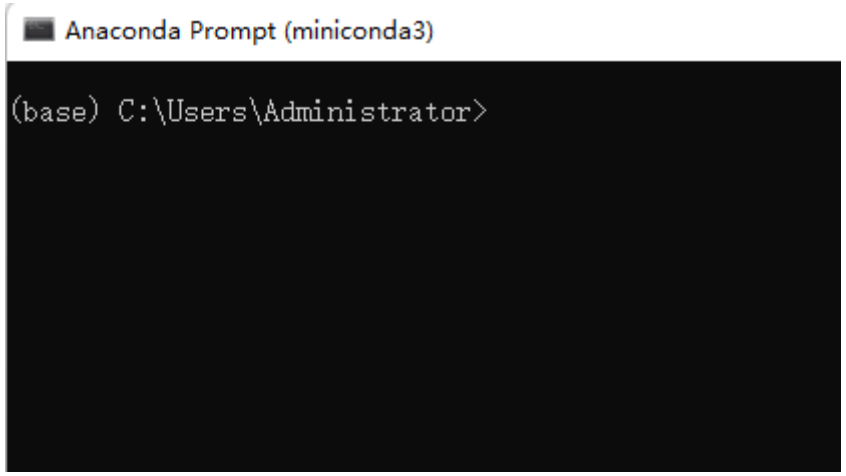

Anaconda3 2020.11 (64-bit) Setup
ANACONDA.
Advanced Installation Options
Customize how Anaconda integrates with Windows
Advanced Options
Add Anaconda3 to the system PATH environment variable
Not recommended. Instead, open Anaconda3 with the Windows Start menu and select "Anaconda (64-bit)". This "add to PATH" option makes Anaconda get found before previously installed software, but may cause problems requiring you to uninstall and reinstall Anaconda.
Register Anaconda3 as the system Python 3.8
This will allow other programs, such as Python Tools for Visual Studio PyCharm, Wing IDE, PyDev, and MSI binary packages, to automatically detect Anaconda as the primary Python 3.8 on the system.
Anaconda, Inc.
< Back
Install
Cancel

2、创建并配置第一个conda环境（1/2）

① 点击刚刚安装的Anacomda程序，



出现右侧画面



2、创建并配置第一个conda环境（2/2）

② 依次输入以下添加下载源的命令：

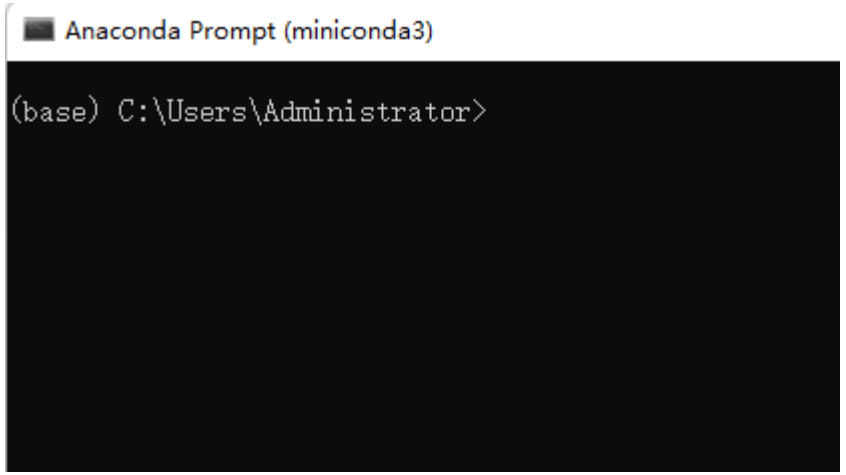
```
conda config --add channels https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/free/
conda config --add channels https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/main/
conda config --add channels https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud/conda-forge
conda config --add channels conda-forge
```

③ 输入创建环境的命令：

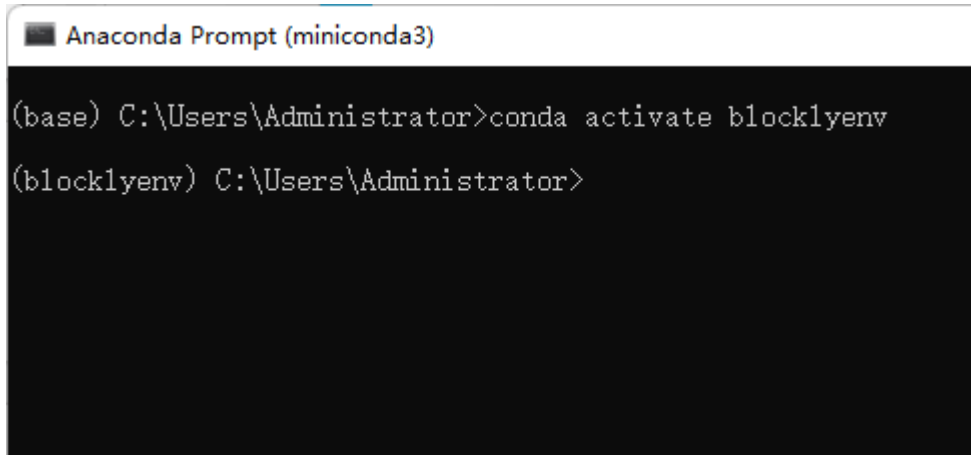
```
conda create -n blocklyenv -y python=3.10 pandas jupyter matplotlib openpyxl
```

3、 在jupyter notebook运行“hello world”例子（1/3）

① 输入以下命令切换环境:
conda activate blocklyenv



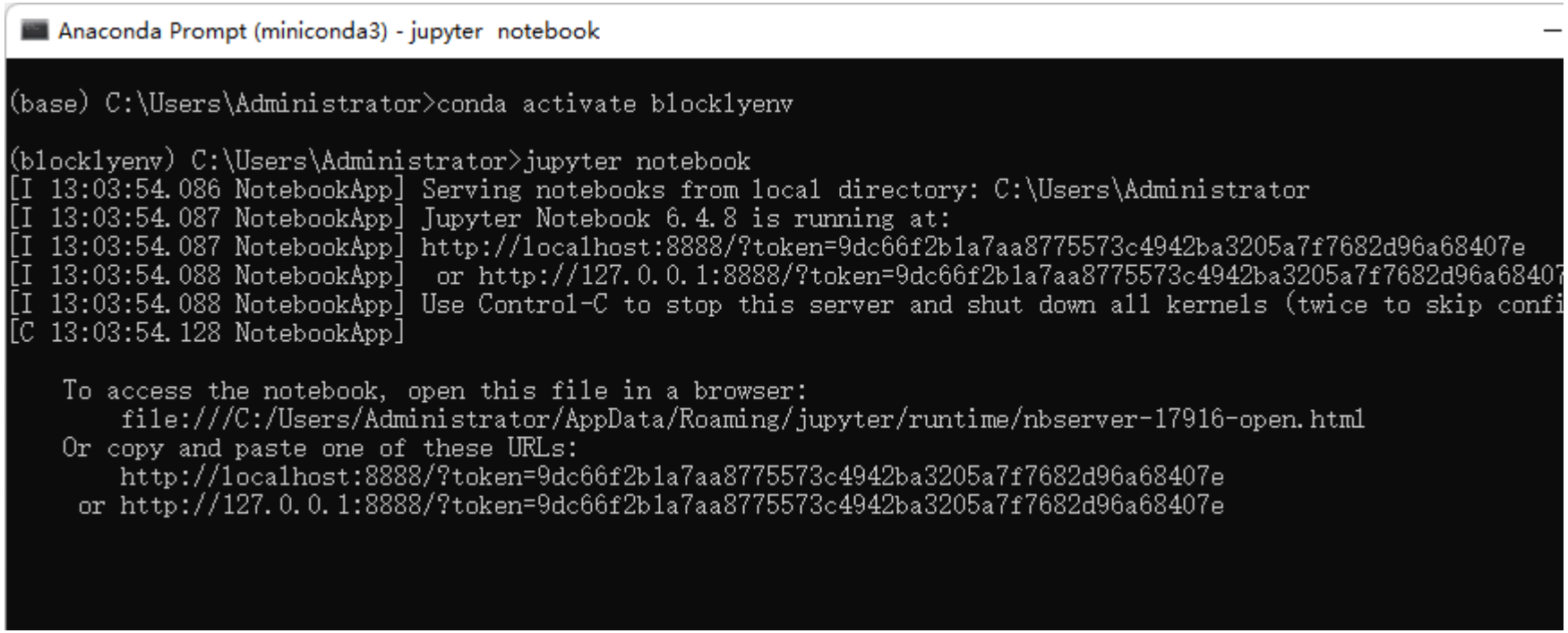
切换前



切换后

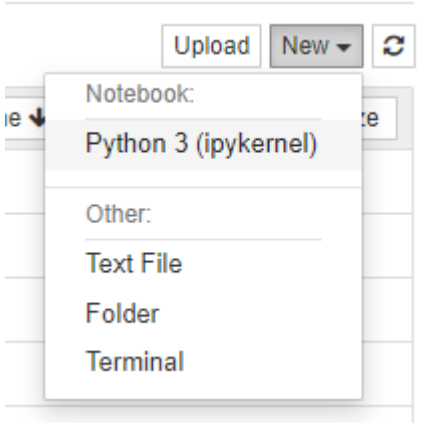
3、 在jupyter notebook运行“hello world”例子（2/3）

② 输入以下命令打开jupyter notebook:
jupyter notebook



3、 在jupyter notebook运行“hello world”例子（3/3）

③ 在弹出的浏览器界面，新建Python3 文件



④ 在第一个框中黏贴blockly产生的代码，并点击运行，即可看到结果!