

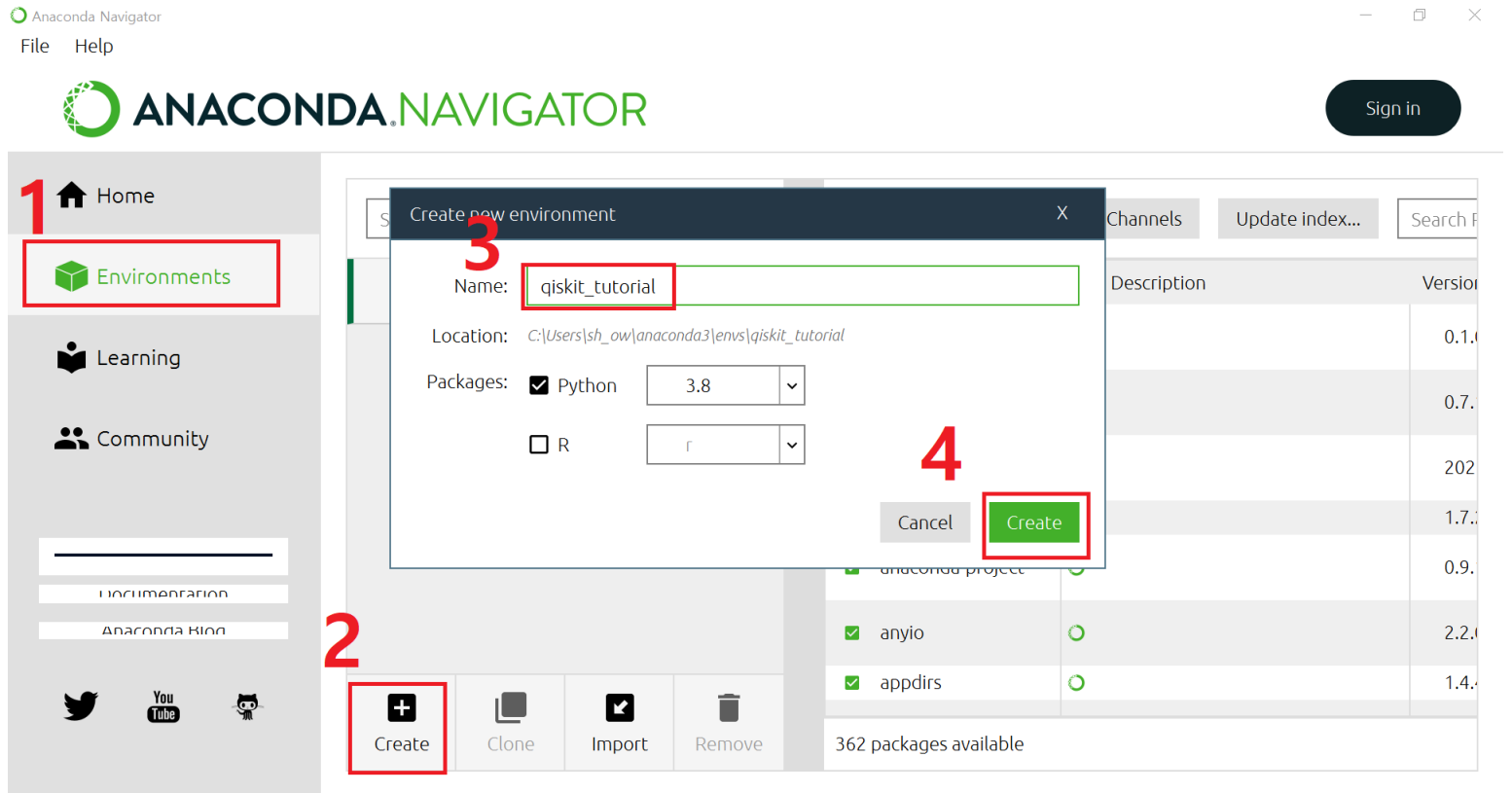
1. Installation

1-1. Install Anaconda

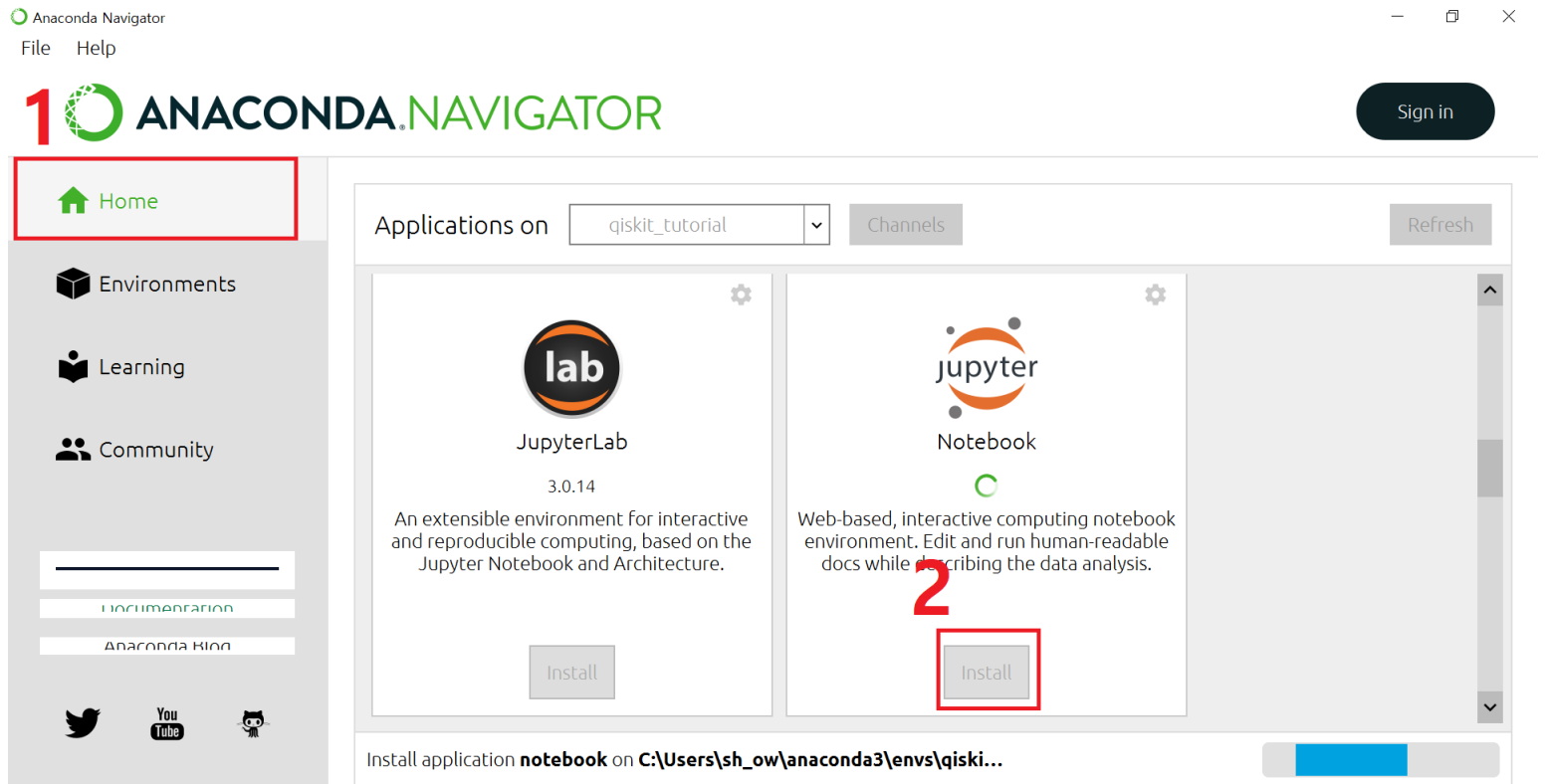
(<https://www.anaconda.com/distributuion>)

1-2. Setup Virtual Environment

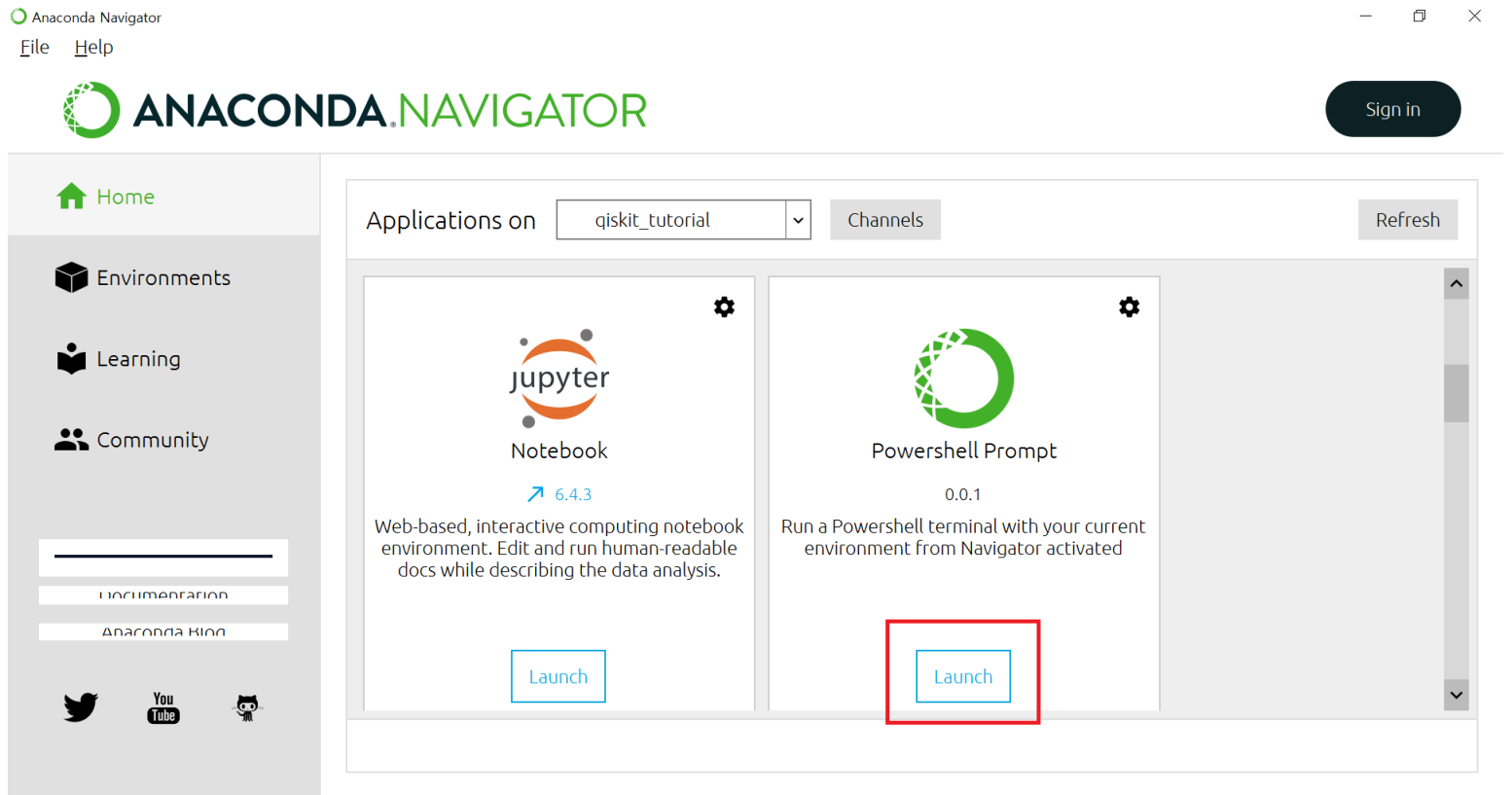
Open anaconda navigator



1-3. Install Jupyter Notebook



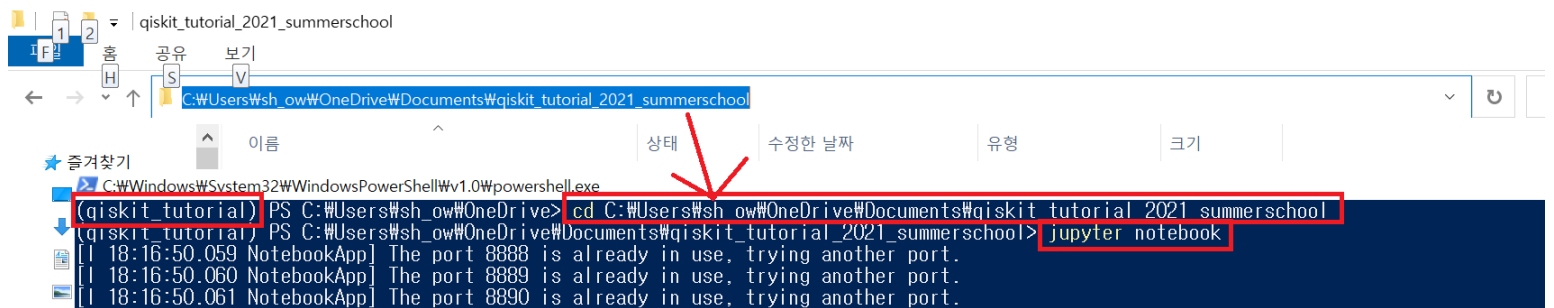
1-4. Launch Powershell



1-5. Launch jupyter notebook

1. 튜토리얼 파일이 있는 곳으로 이동 (윈도우 탐색기)
2. 주소 복사
3. Powershell에 아래 명령어 차례대로 입력

```
cd <Copied Addr>
jupyter notebook
```



1-6. Install Dependencies





Files


Running


Clusters


Select items to perform actions on them.


☐ 0  / OneDrive / Documents / qiskit_tutorial_2021_summerschool


 ..

☐  figures











☐  0_install_dependencies.ipynb

☐  1_hello_qiskit.ipynb

☐  2_simulators.ipynb

jupyter 0_install_dependencies Last Checkpoint: 2분 전 (autosaved)  Logout

File Edit View Insert Cell Kernel Help Trusted Python 3

          Code

```
In [1]: !pip install -r requirements.txt

Collecting qiskit~=0.29.0
  Downloading qiskit-0.29.0.tar.gz (12 kB)
Collecting matplotlib
  Downloading matplotlib-3.4.3-cp38-cp38-win_amd64.whl (7.1 MB)
Collecting pylatexenc
  Downloading pylatexenc-2.10.tar.gz (162 kB)
Collecting numpy
  Downloading numpy-1.21.2-cp38-cp38-win_amd64.whl (14.0 MB)
Collecting qiskit-terra==0.18.1
  Downloading qiskit-terra-0.18.1-cp38-cp38-win_amd64.whl (5.3 MB)
Collecting qiskit-aer==0.8.2
  Downloading qiskit-aer-0.8.2-cp38-cp38-win_amd64.whl (24.2 MB)
Collecting qiskit-ibmq-provider==0.16.0
  Downloading qiskit-ibmq-provider-0.16.0-py3-none-any.whl (235 kB)
Collecting qiskit-ignis==0.6.0
  Downloading qiskit-ignis-0.6.0-py3-none-any.whl (207 kB)
Collecting qiskit-aqua==0.9.4
  Downloading qiskit-aqua-0.9.4-py3-none-any.whl (2.1 MB)
Collecting scipy>=1.0
  Downloading scipy-1.7.1-cp38-cp38-win_amd64.whl (33.7 MB)
```

In []:

2. IBMQ Account

(<https://quantum-computing.ibm.com/>)

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Requests for feedback to help improve our tools	<input type="checkbox"/> Off	
Account and privacy notifications		
IBM is required to send emails related to servicing your account	<input checked="" type="checkbox"/> On	

Use IBM Quantum services with Qiskit on a local environment

1. Install [Qiskit](#)
2. Follow the instructions to [access the IBM Quantum services from Qiskit](#)

API Token

[Regenerate](#)

[Copy token](#)