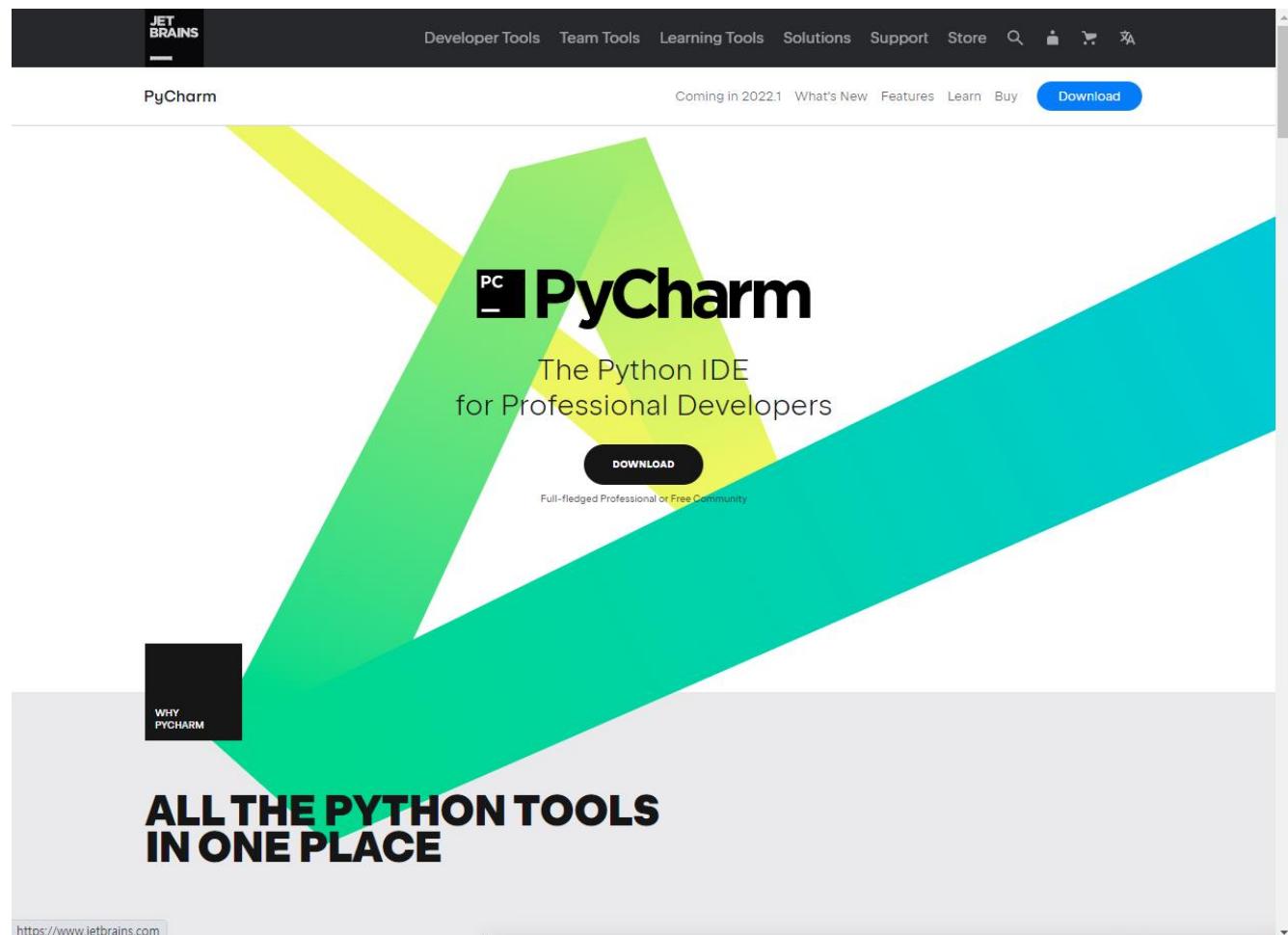


INSTALLING PYCHARM

- How to build python development environment
on Windows (2) –

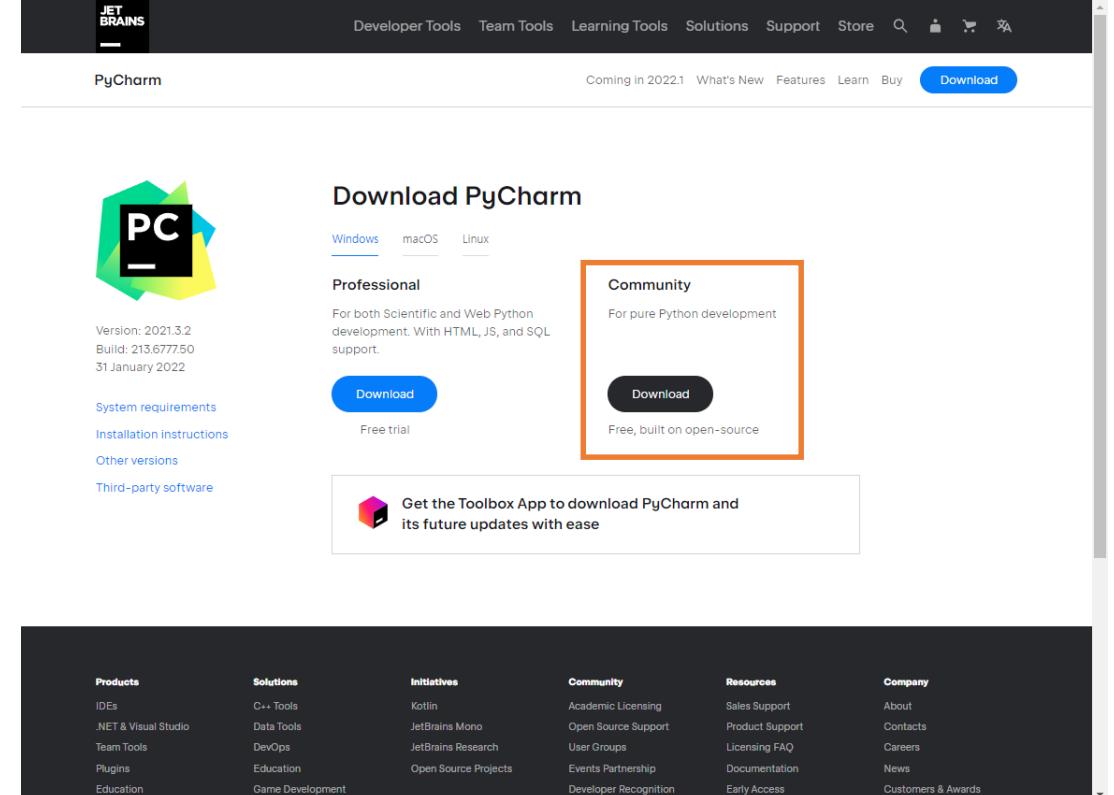
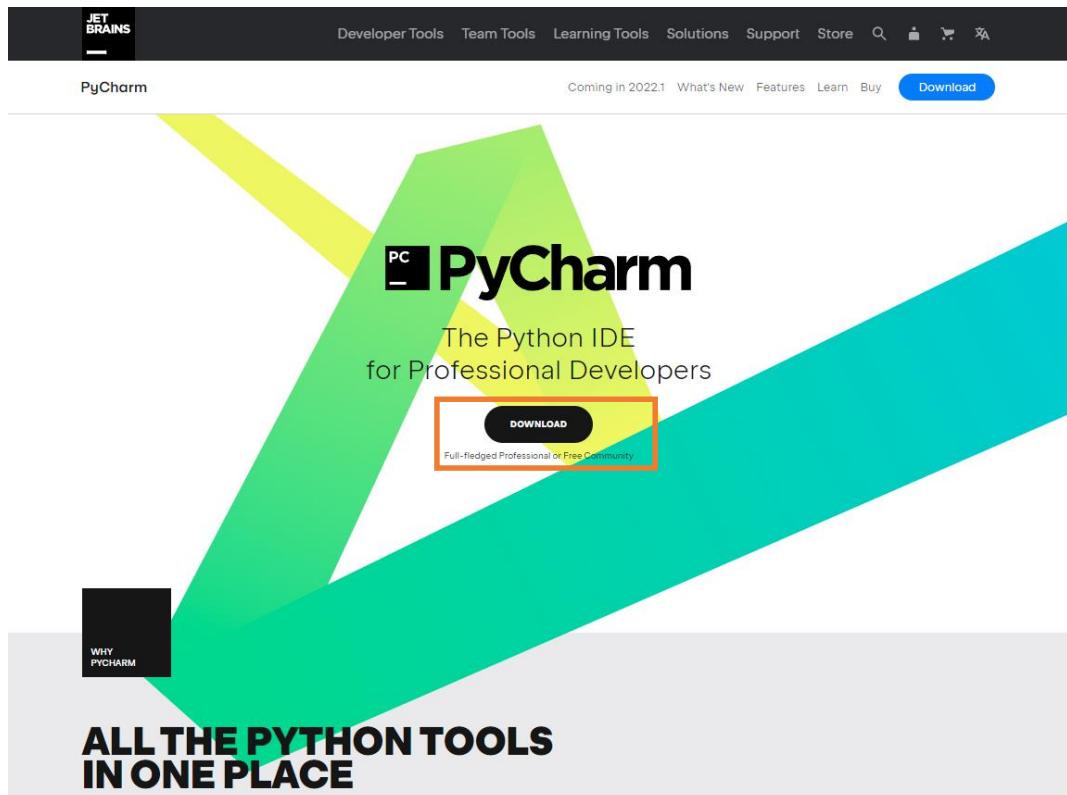
PyCharm (1)

- PyCharm 이란?
 - 젯브레인즈 (Jet Brains) 사의 파이썬 개발을 위한 통합개발환경(IDE)으로서 IntelliJ IDEA에 기반을 둔 개발도구
 - 파이썬 개발을 위한 PEP8 검사, 테스트 지원, 스마트 리팩터링 및 다양한 검사 기능을 제공하여 관리가 용이
- PyCharm 공식 사이트
 - <https://www.jetbrains.com/pycharm/>



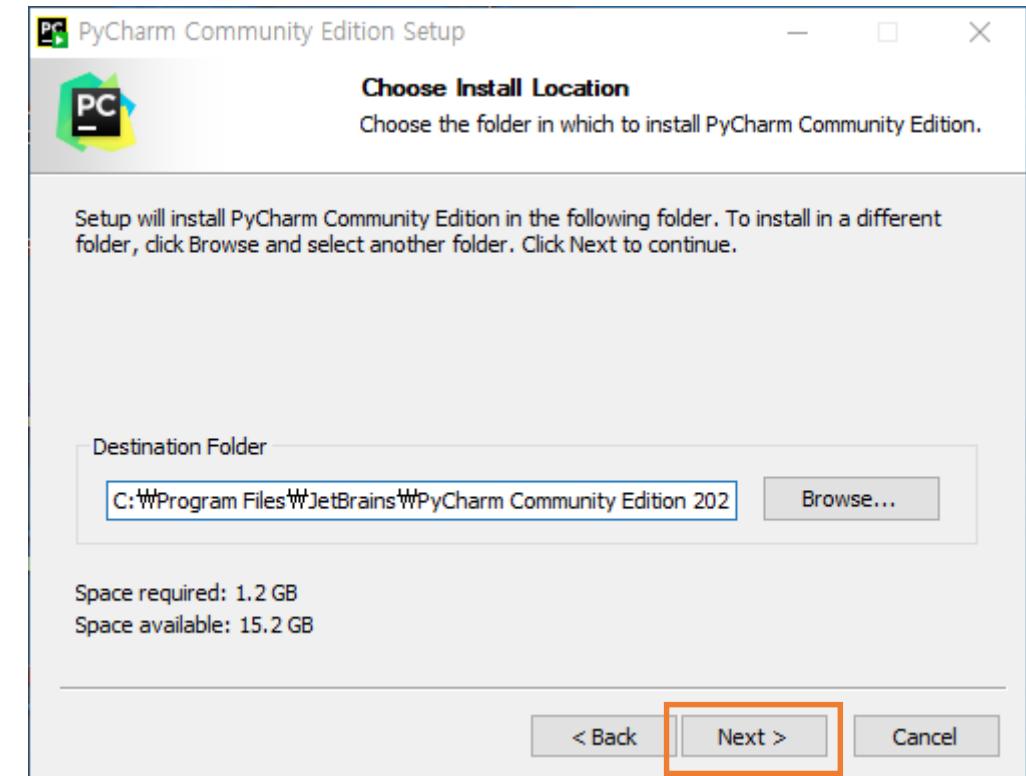
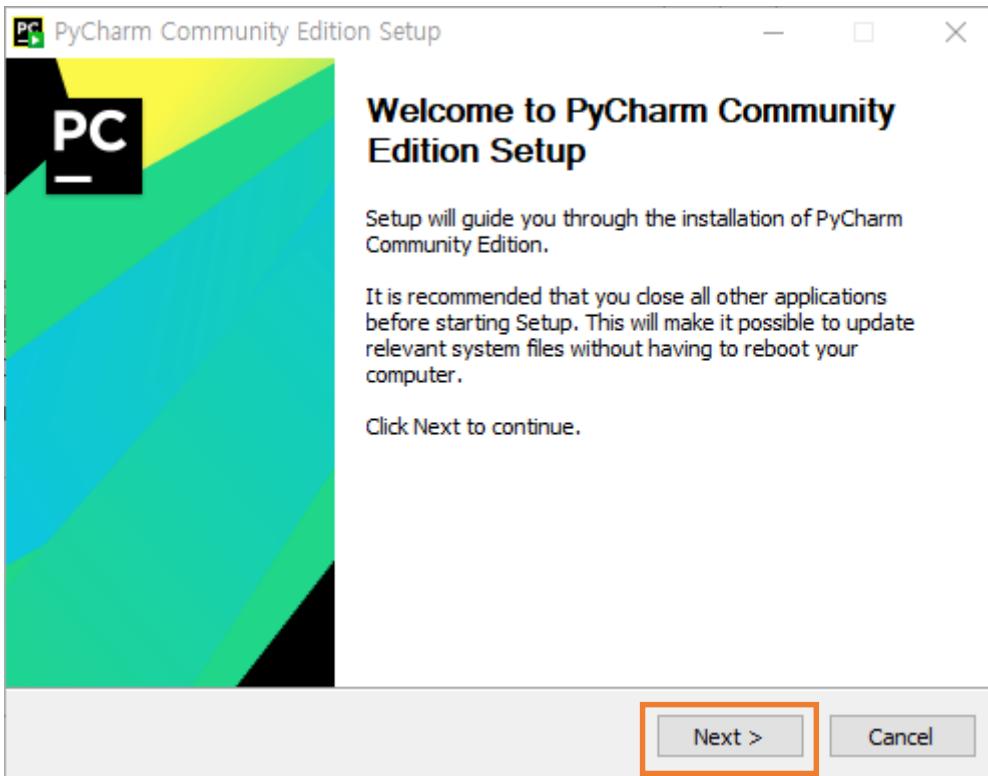
PyCharm (2)

- Pycharm 다운로드
 - 윈도우(Windows) 운영체제를 지원하는 아나콘다 다운로드
 - PyCharm Community 를 다운로드
- Download PyCharm
 - pycharm-community-2021.3.2.exe



PyCharm (3)

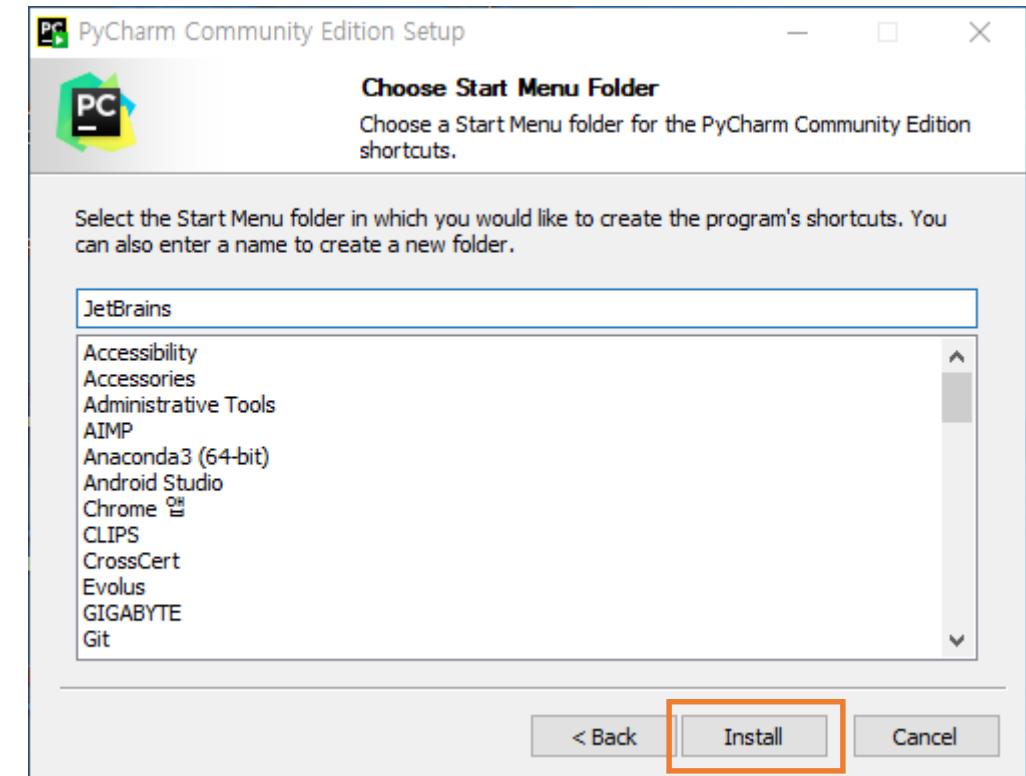
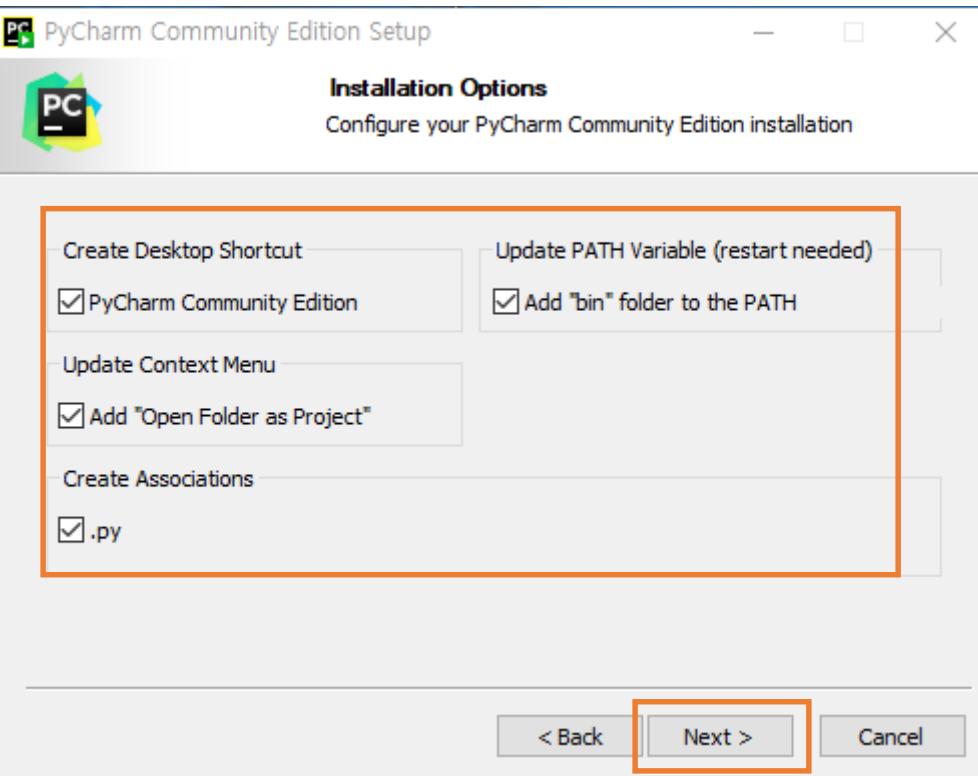
- PyCharm 설치
 - 앞서 다운로드한 파일을 실행
 - pycharm-community-2021.3.2.exe



- 위 이미지들 좌 → 우 순서로 진행

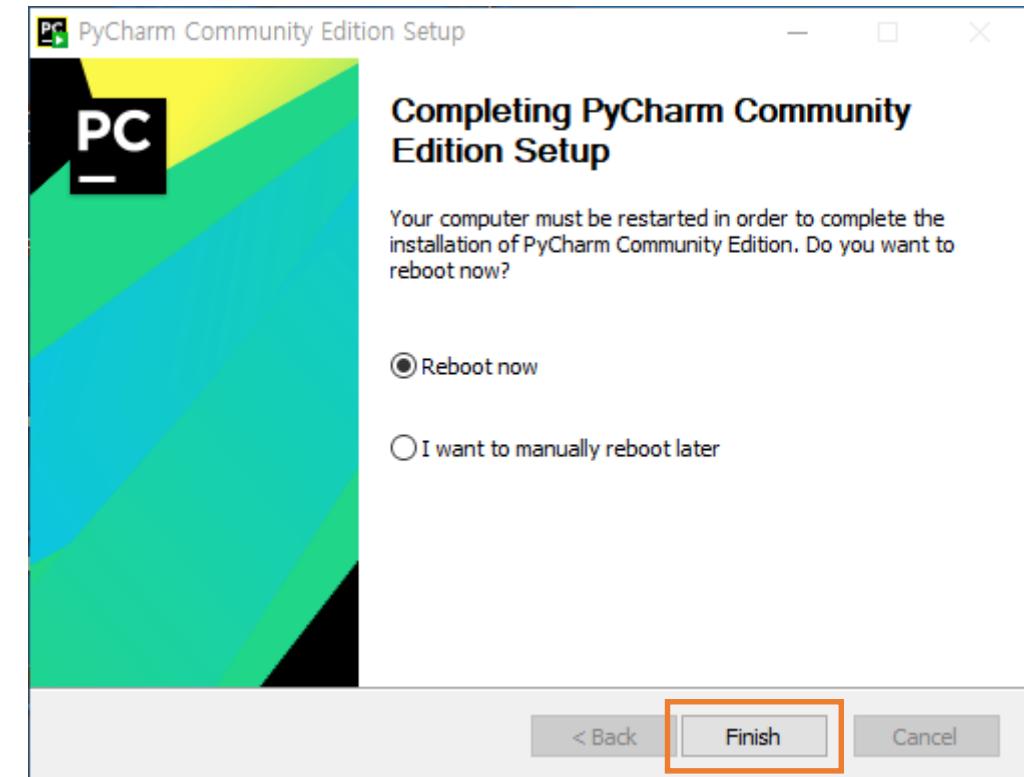
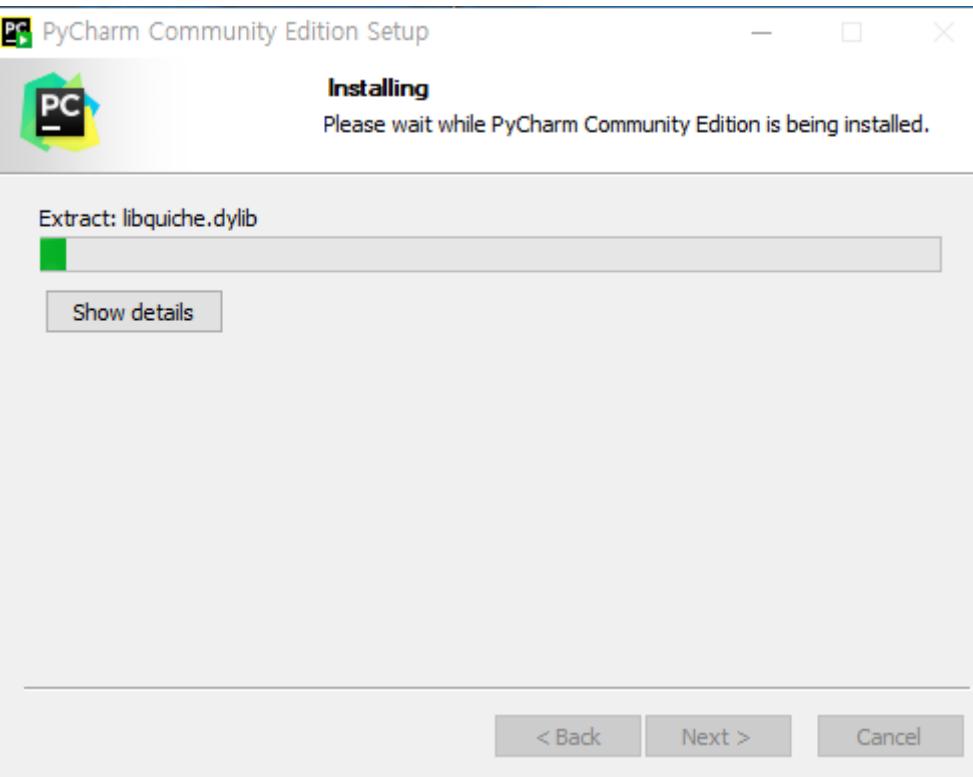
PyCharm (4)

- PyCharm 설치



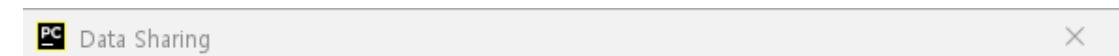
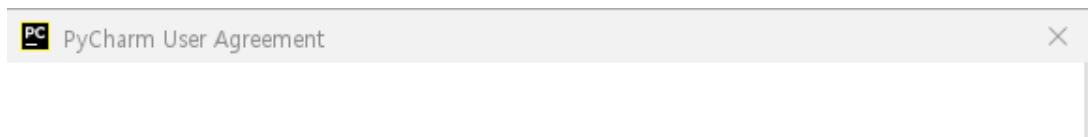
PyCharm (5)

- PyCharm 설치



- 설치가 완료될 때 까지 대기
- 설치 완료 후 재부팅 절차를 진행

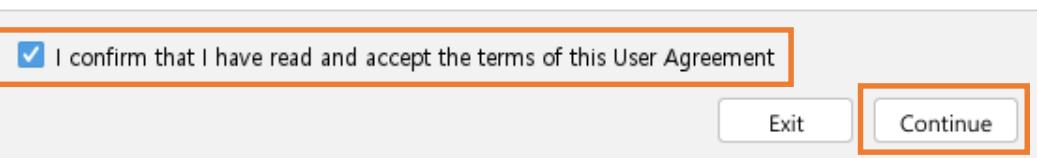
- PyCharm 실행
 - 검색창 (윈도우키 + s)에서 PyCharm Community Editor 2021.3.2 검색 후 선택하여 실행
 - 아래 이미지 좌 → 우로 진행



IMPORTANT! READ CAREFULLY:

THESE TERMS APPLY TO THE JETBRAINS INTEGRATED DEVELOPMENT ENVIRONMENT TOOLS CALLED 'INTELLIJ IDEA COMMUNITY EDITION' AND 'PYCHARM COMMUNITY EDITION' (SUCH TOOLS, "COMMUNITY EDITION" PRODUCTS) WHICH CONSIST OF 1) OPEN SOURCE SOFTWARE SUBJECT TO THE APACHE 2.0 LICENSE (AVAILABLE HERE: <https://www.apache.org/licenses/LICENSE-2.0>), AND 2) JETBRAINS PROPRIETARY SOFTWARE PLUGINS PROVIDED IN FREE-OF-CHARGE VERSIONS WHICH ARE SUBJECT TO TERMS DETAILED HERE: <https://www.jetbrains.com/legal/community-bundled-plugins>.

"JetBrains" or "we" means JetBrains s.r.o., with its principal place of business at Na Hrebenech II 1718/10, Prague, 14000, Czech Republic, registered in the Commercial Register maintained by the Municipal Court of Prague, Section C, File 86211, ID No.: 265 02 275.



Help JetBrains improve its products by sending anonymous data about features and plugins used, hardware and software configuration, statistics on types of files, number of files per project, etc. Please note that this will not include personal data or any sensitive information, such as source code, file names, etc. The data sent complies with the [JetBrains Privacy Policy](#).

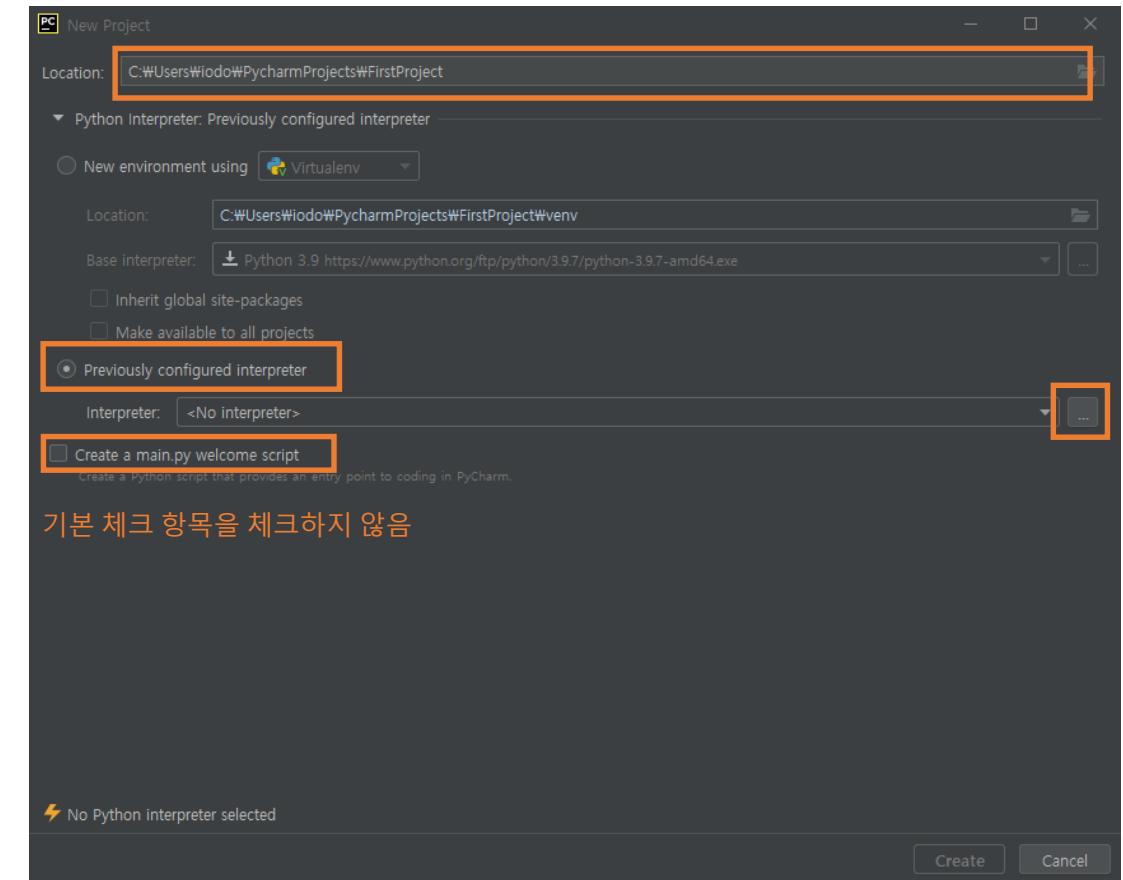
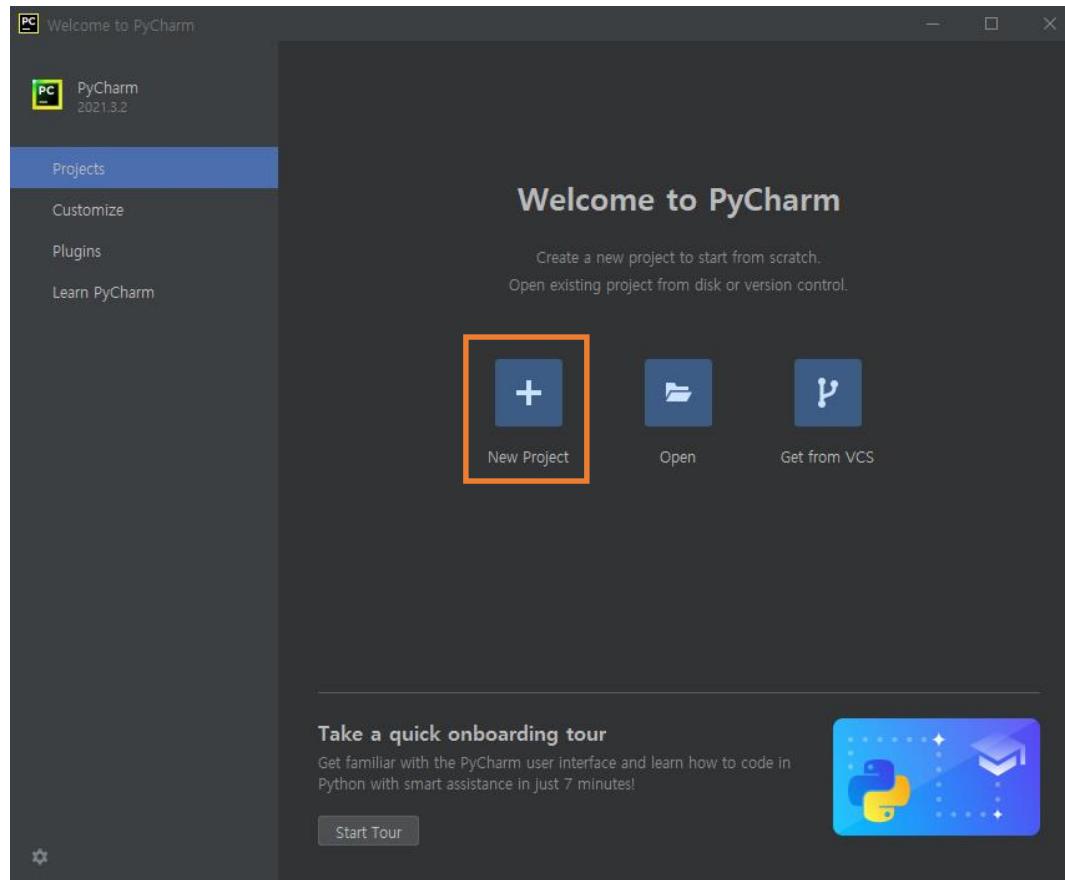
Data sharing preferences apply to all installed JetBrains products.

You can always change this behavior in [Settings | Appearance & Behavior | System Settings | Data Sharing](#).

PyCharm (7)

- PyCharm 실행

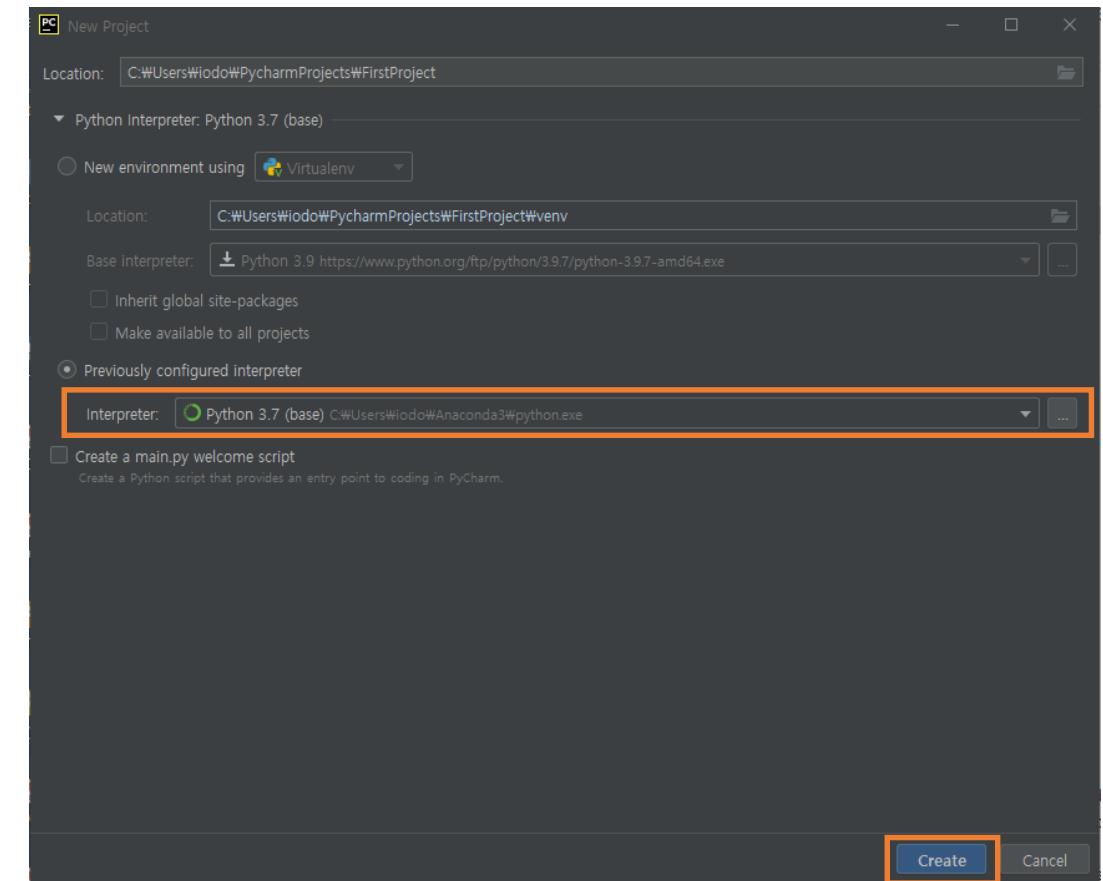
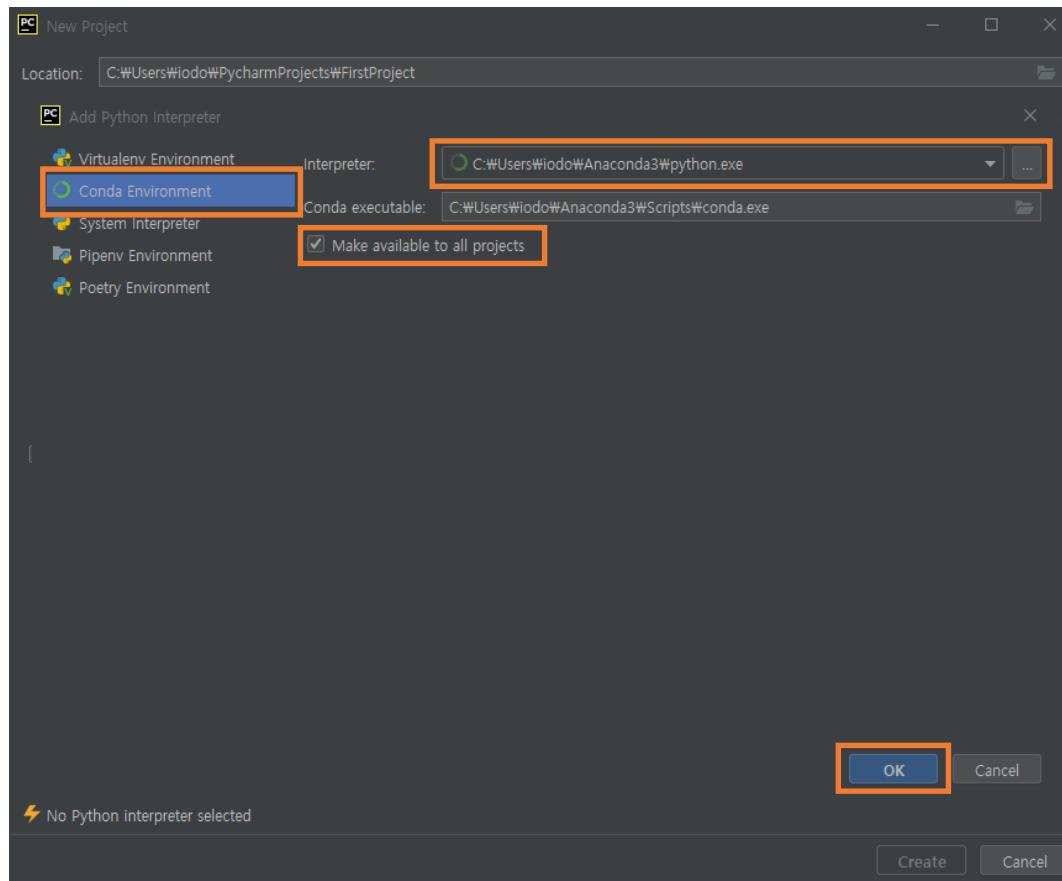
- New Project 선택하여 프로젝트 환경 설정을 진행
- Location 의 “pythonProject” 를 새로운 프로젝트 이름인 “FirstProject” 로 변경
- “Previously configured interpreter” 를 선택하여 다음 절차를 진행



PyCharm (8)

- PyCharm 실행

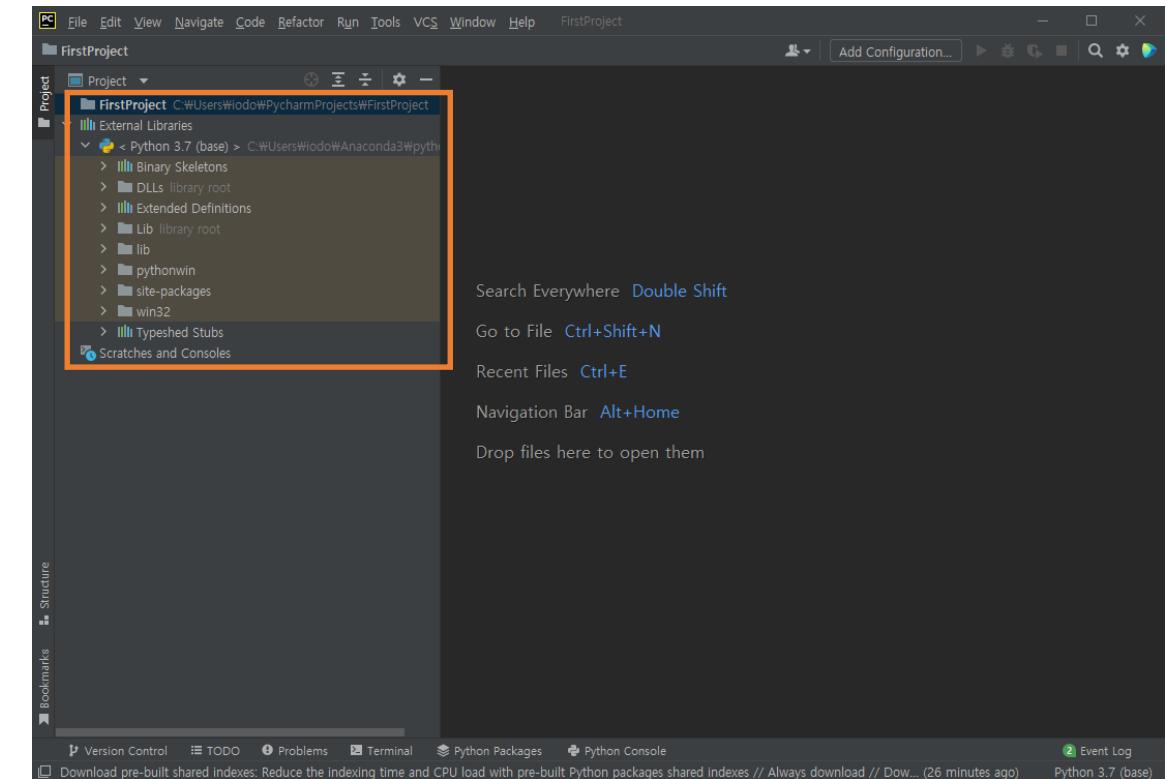
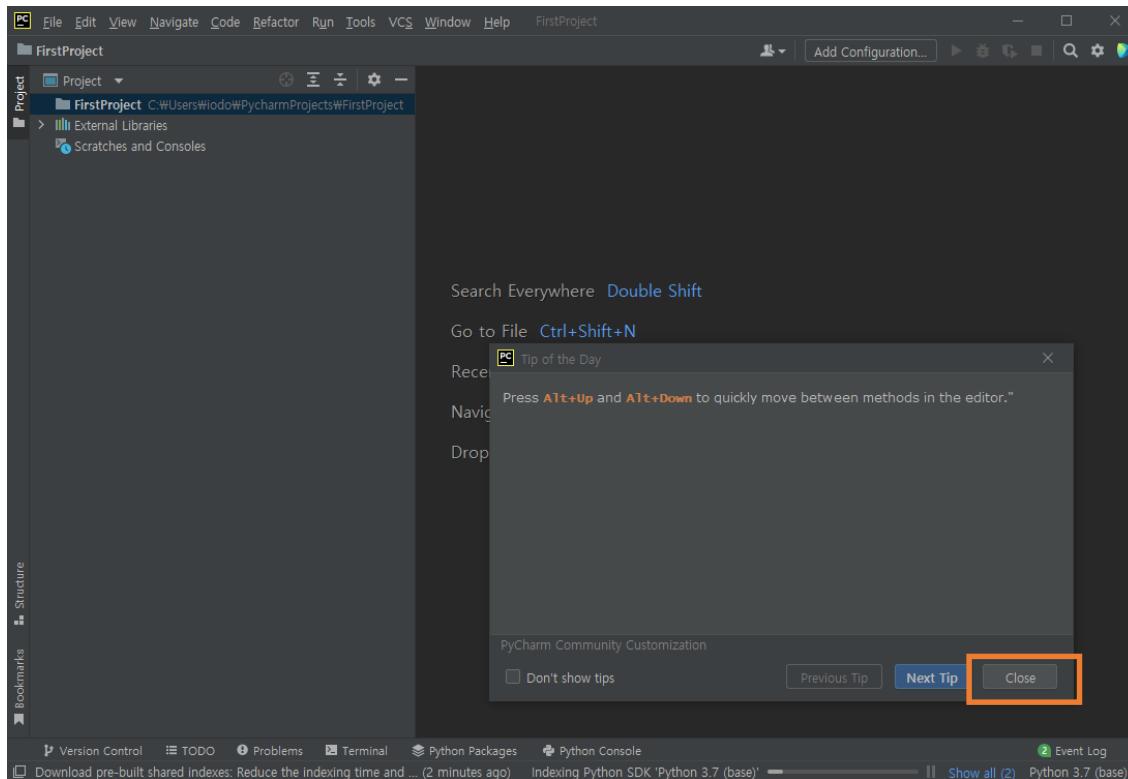
- Anaconda 를 사용하는 프로젝트 환경 구성
- Conda Environment 를 선택 후 Interpreter 경로를 입력
- Make available to all projects 를 선택하여 체크
- Interpreter 필드가 “Python 3.7 (base)” 로 변경되었음을 확인



PyCharm (9)

- PyCharm 실행

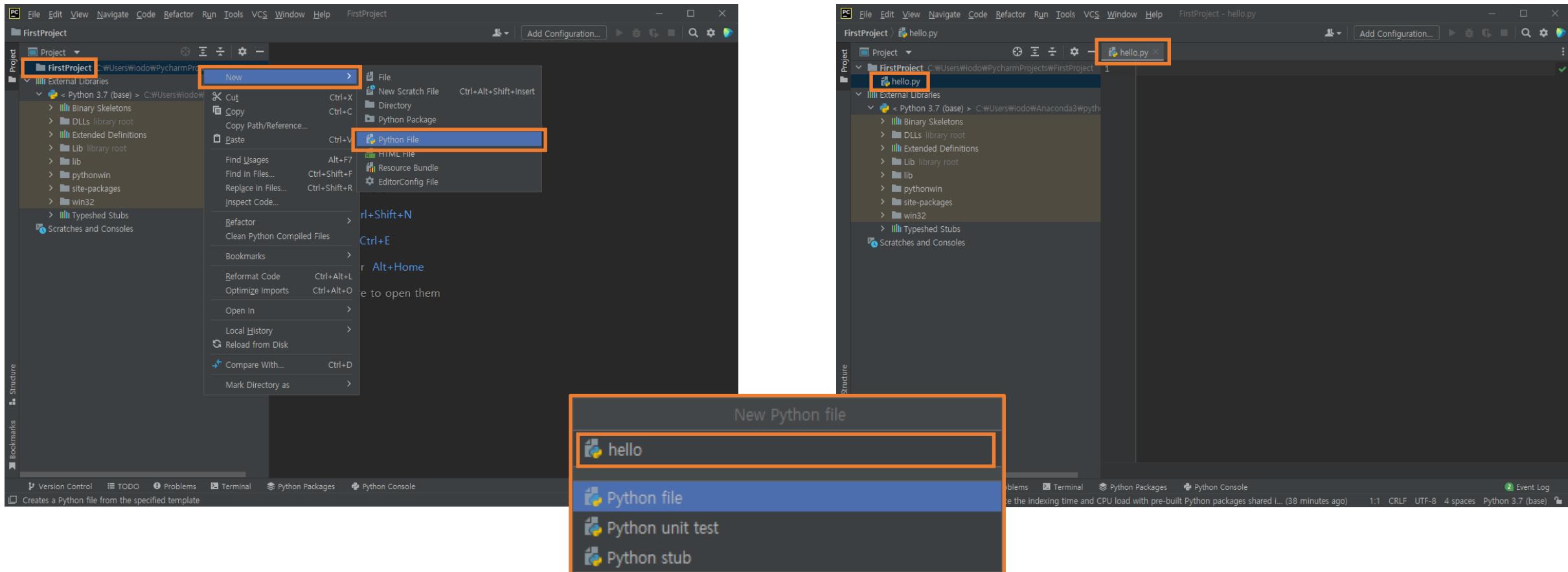
- 하단 상태 바의 Download 가 완료될 때 까지 대기
- 프로젝트 환경 구성을 확인



PyCharm (10)

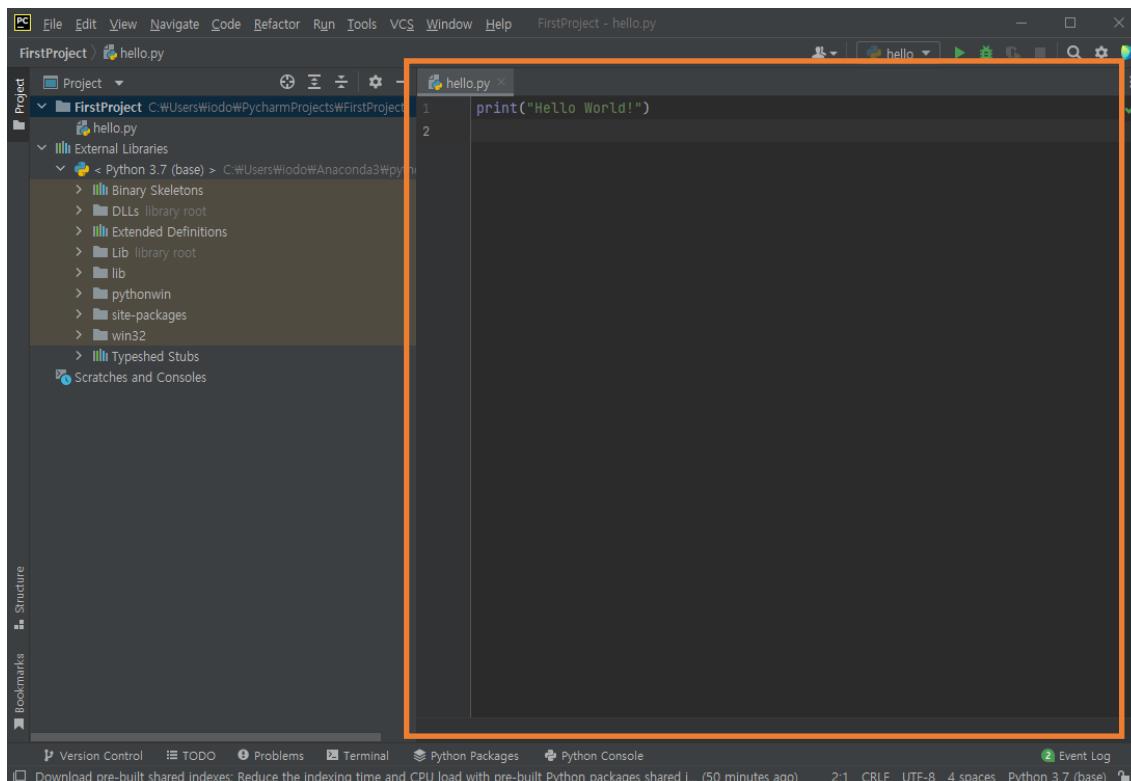
- 간단한 프로젝트 작성

- “FirstProject”를 선택한 상태에서 마우스 우측 버튼을 클릭
- “New Python File”ダイ얼로그에서 생성할 파일이름으로 “hello” 입력
- 파일 “hello.py”가 생성되었음을 확인



PyCharm (11)

- 간단한 프로젝트 작성
 - 편집 창에 print("Hello World!") 입력
 - 메뉴 “Run” 선택하여 실행하여, 하단 “Run” 창에서 출력 결과를 확인

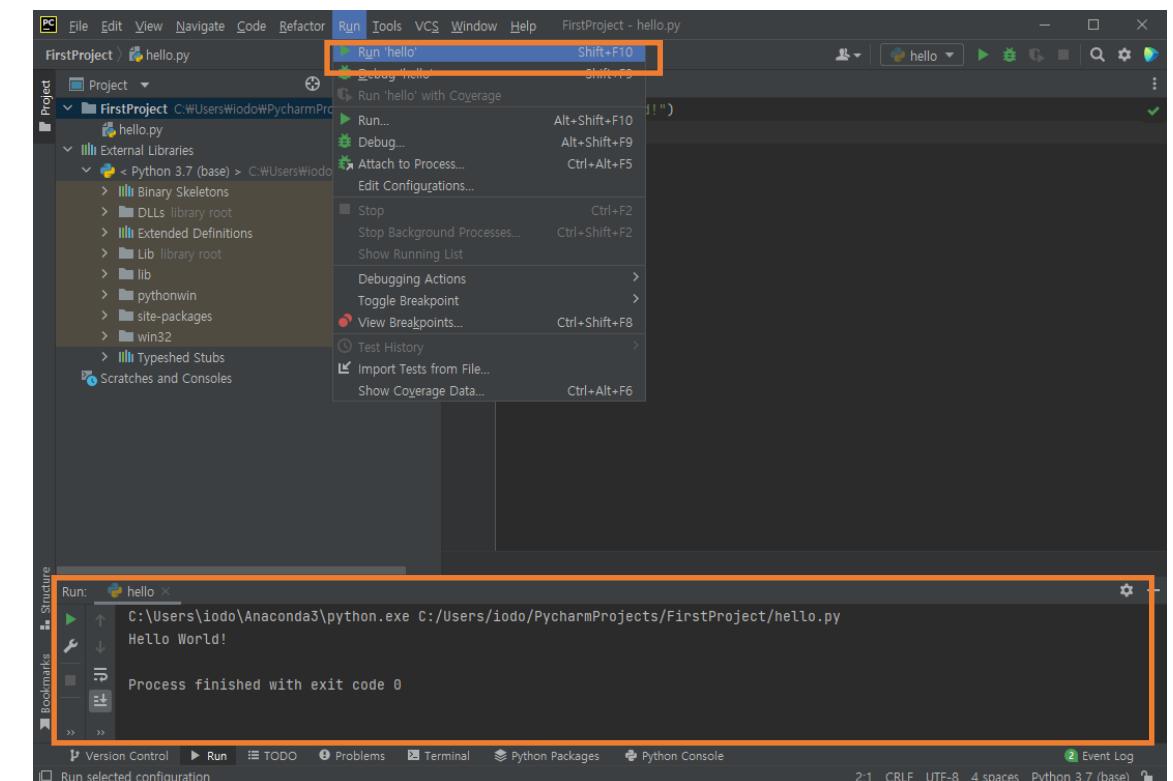


The screenshot shows the PyCharm interface with the following details:

- File Bar:** File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, Help.
- Title Bar:** FirstProject - hello.py
- Toolbars:** Standard, Version Control, TODO, Problems, Terminal, Python Packages, Python Console.
- Status Bar:** Download pre-built shared indexes. Reduce the indexing time and CPU load with pre-built Python packages shared ... (50 minutes ago), 2:1 CRLF, UTF-8, 4 spaces, Python 3.7 (base).

The code editor window displays a single file named 'hello.py' with the following content:

```
print("Hello World!")
```



The screenshot shows the PyCharm interface with the following details:

- File Bar:** File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, Help.
- Title Bar:** FirstProject - hello.py
- Toolbars:** Standard, Run, Version Control, TODO, Problems, Terminal, Python Packages, Python Console.
- Status Bar:** Run selected configuration, 2:1 CRLF, UTF-8, 4 spaces, Python 3.7 (base).

The Run menu is open, showing various options for running the project. The option 'Run 'hello'' is highlighted with a red box. The Run tool window at the bottom shows the output of the run:

```
C:\Users\ido\Anaconda3\python.exe C:/Users/ido/PycharmProjects/FirstProject/hello.py
Hello World!
Process finished with exit code 0
```