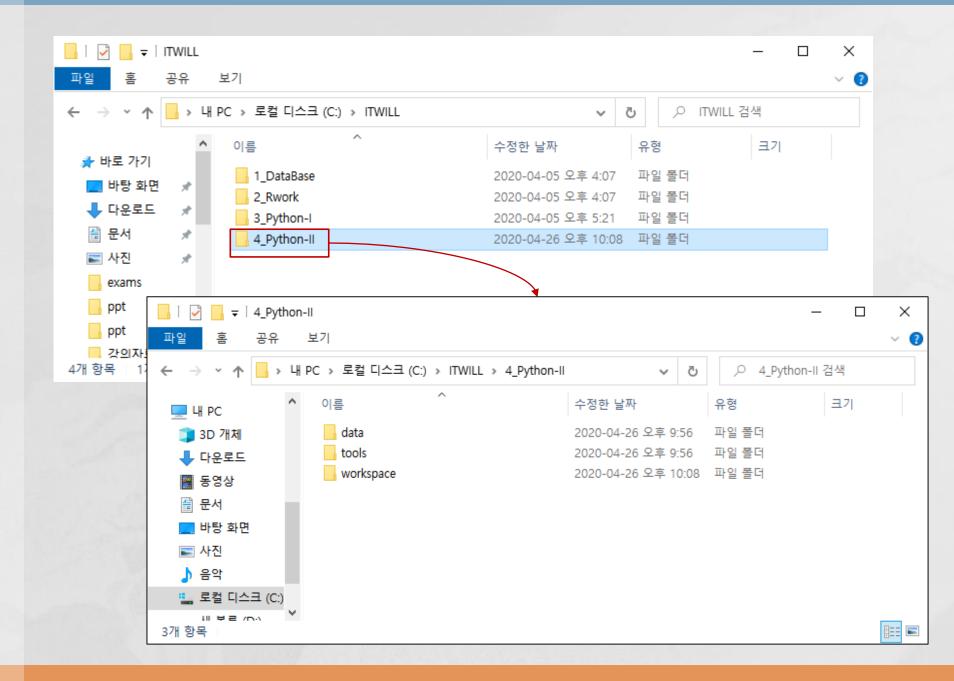
Anaconda install & setting

목차

- 1. 폴더구성
- 2. Anaconda 다운로드 & 설치
- 3. Spyder 사용법

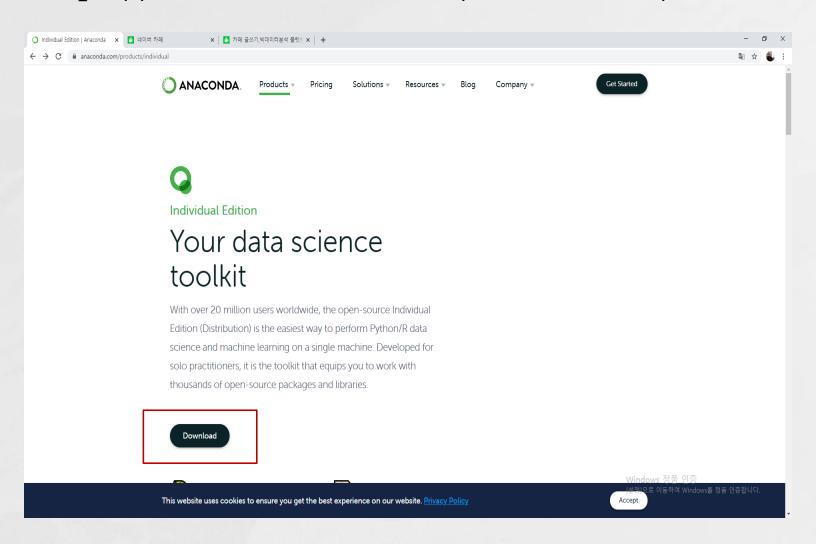


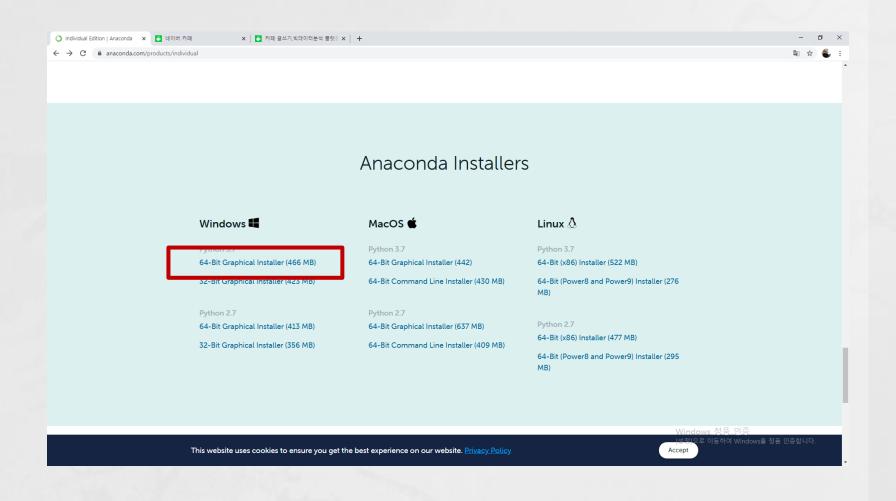
1. Anaconda 다운로드 & 설치

- > Python 설치 및 분석 관련 라이브러리 제공
- > Anaconda 주요 라이브러리
 - pandas
 - numpy
 - matplotlib
 - statistics
 - sklearn

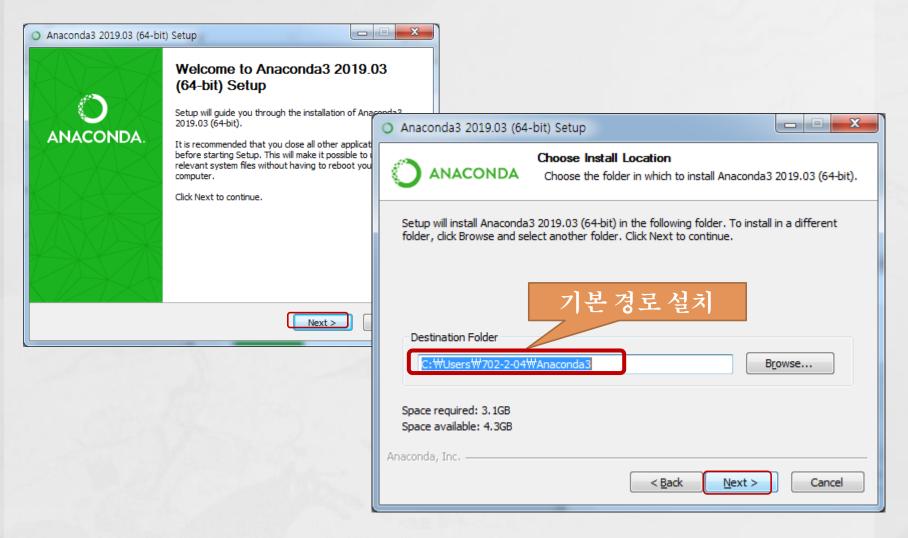
● Anaconda 다운로드

https://www.anaconda.com/distribution/

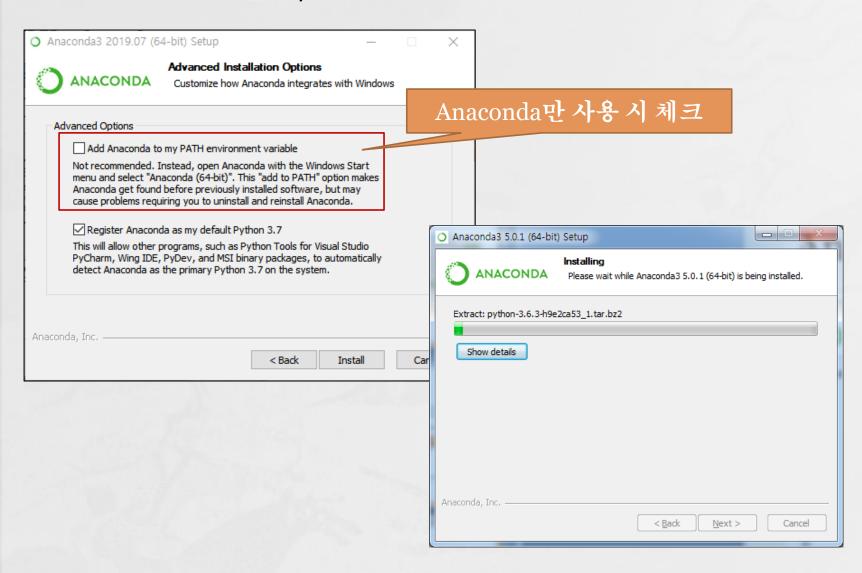




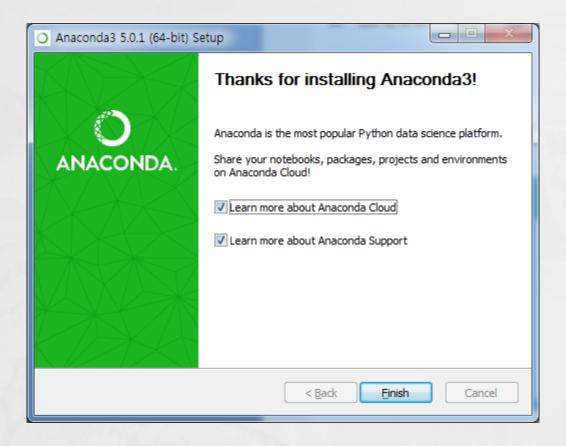
Anaconda 설치



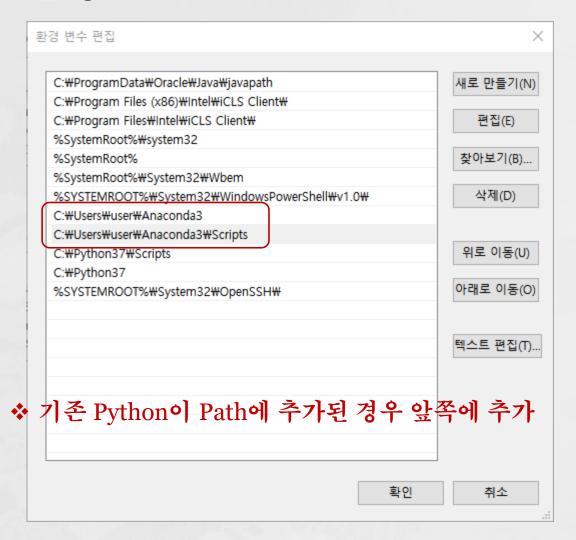
Anaconda 설치



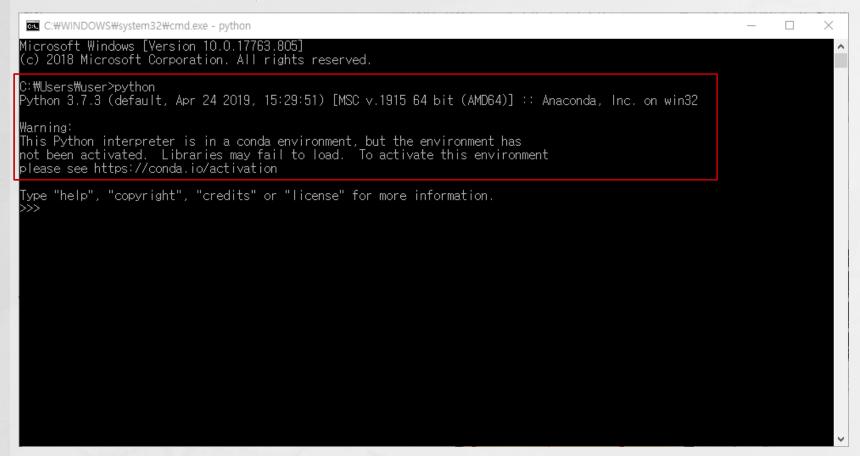
Anaconda 설치 완료



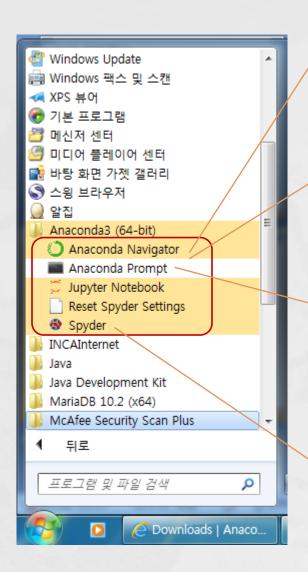
Path 설정

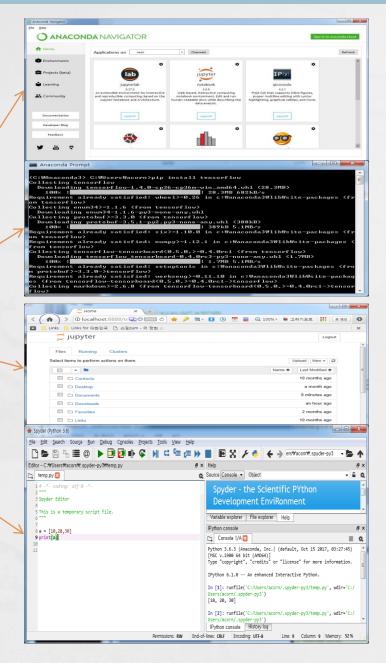


Path 설정 확인



Anaconda 메뉴





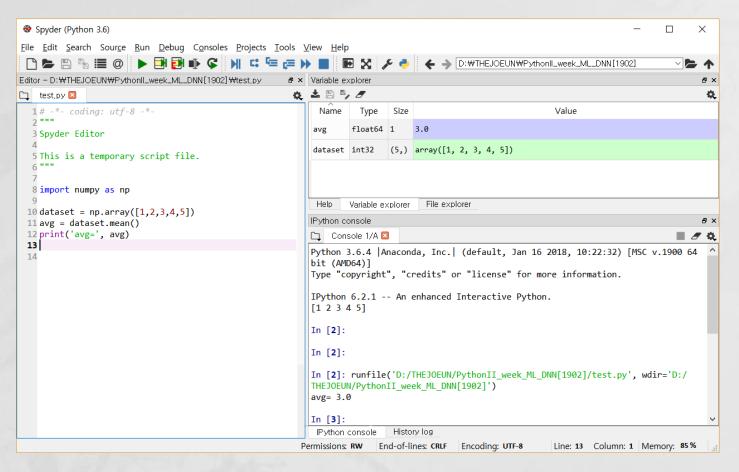
2. Spyder 사용법

● Spyder 실행 Windows 시작 단추 > 'Anaconda3 (64-bit)' > 'Spyder' 아이콘 클릭

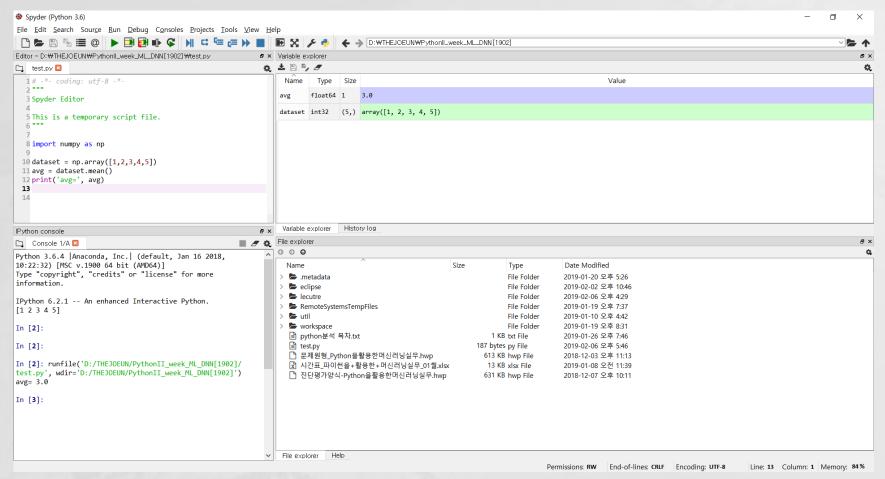


[참고] https://rfriend.tistory.com/m/298

• Spyder 창구성([View] – [Window layouts] – [Spyder Default Layout])

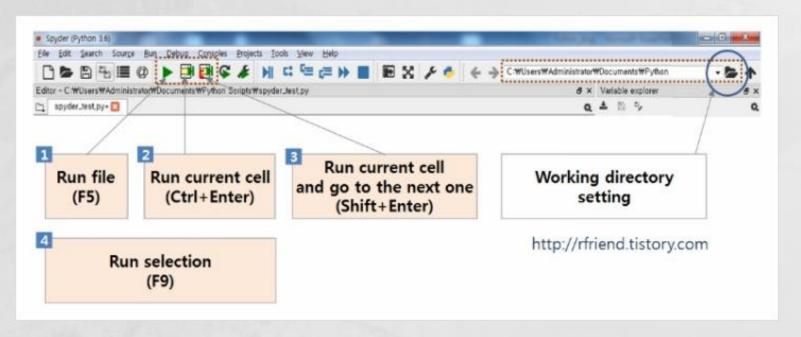


• Spyder 창 구성([View] – [Window layouts] – [Rstudio Layout])

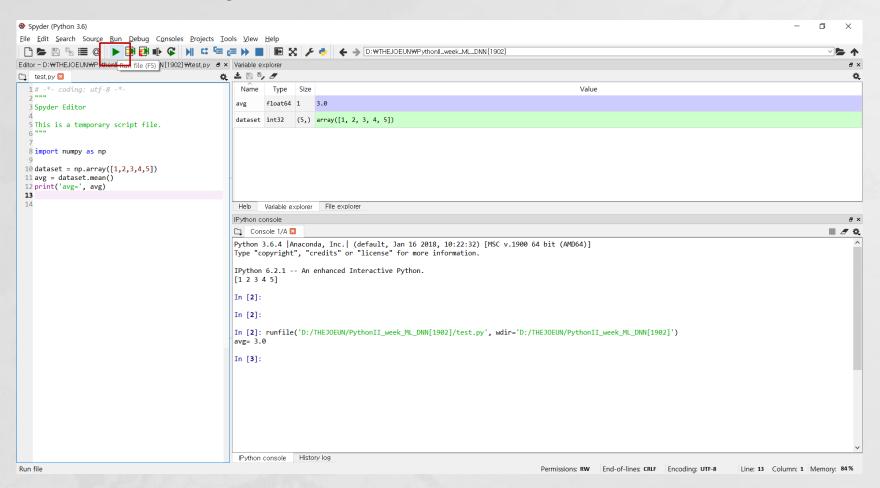


● Code 실행

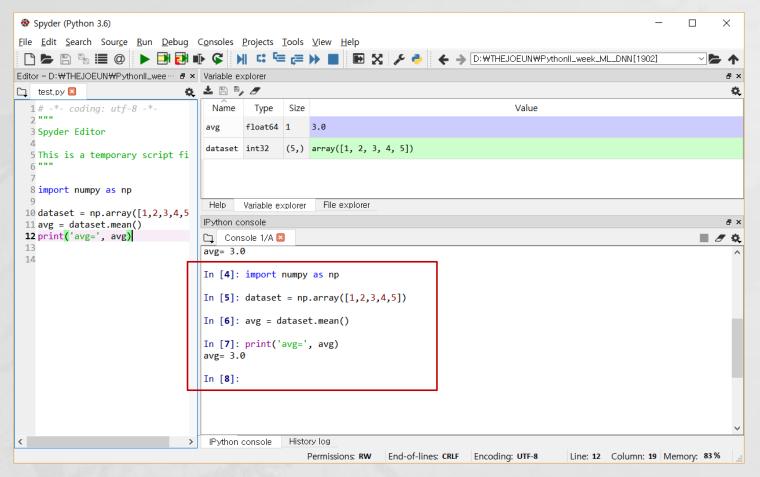
- 1) 저장한 파일 전체를 처음부터 끝까지 한꺼번에 실행(Run file): F5
- 2) 현재 커서가 위치한 cell 전체 실행 후 커서 현 cell에 위치 : Ctrl + Enter : 여기서 cell 은 '#%%' 로 구분, 위/아래 '선(line)'으로 구분 된 코드 block
- 3) 현재 커서가 위치한 cell 전체를 실행 후 다음 cell로 커서 이동: Shift + Enter
- 4) 현재 커서가 위치한 행(row) 또는 선택한 행 전체 실행(Run selection): **F9**



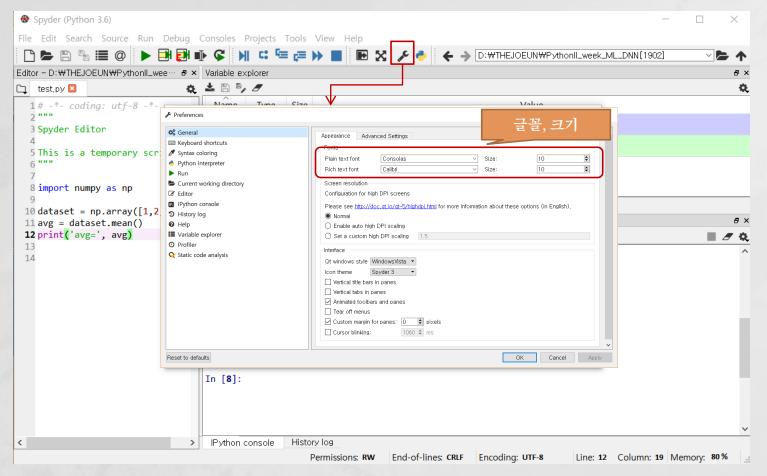
● code 실행: F5(전체 프로그램 실행)



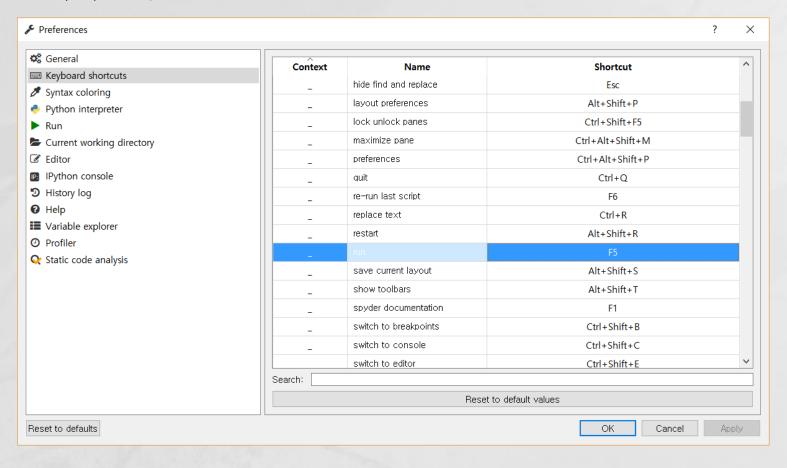
● code 실행: F9(줄 단위 or 블록 단위 실행)



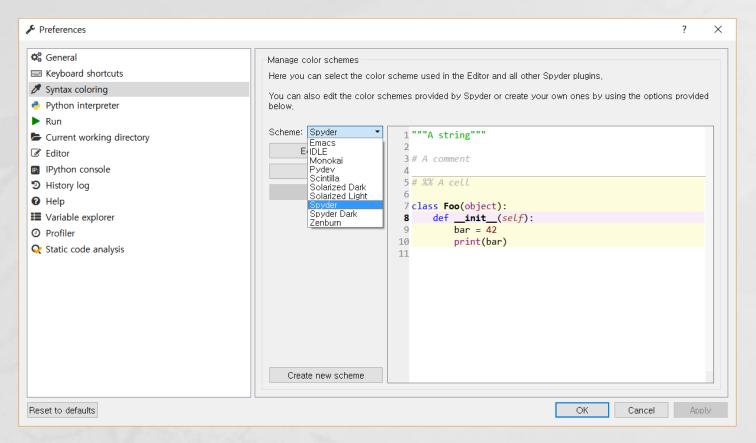
● Spyder 환경설정



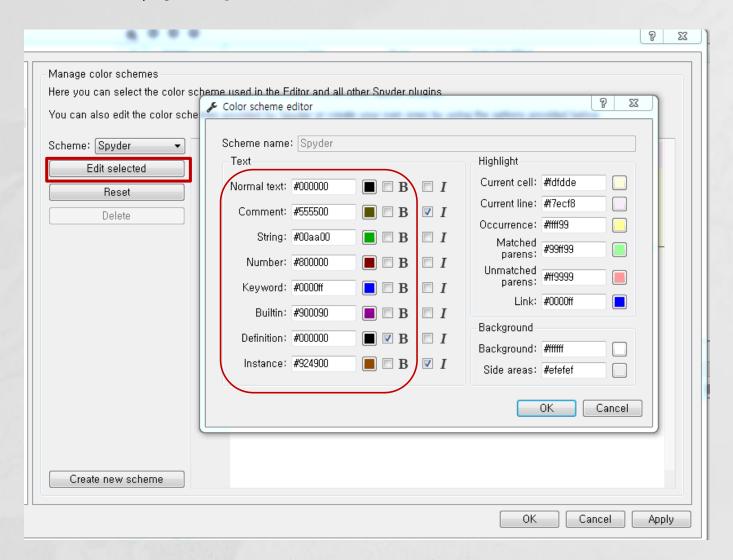
● 단축키 설정



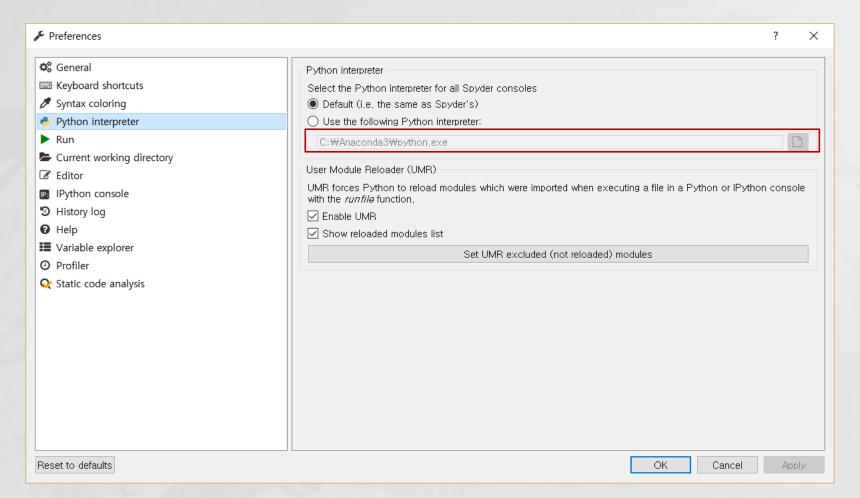
• Syntax coloring 설정



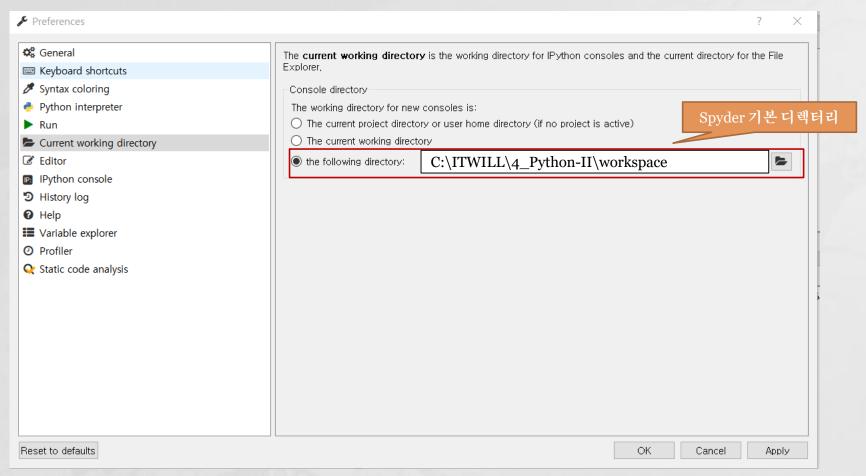
● Text 별 색상 변경



● Python interpreter 설정

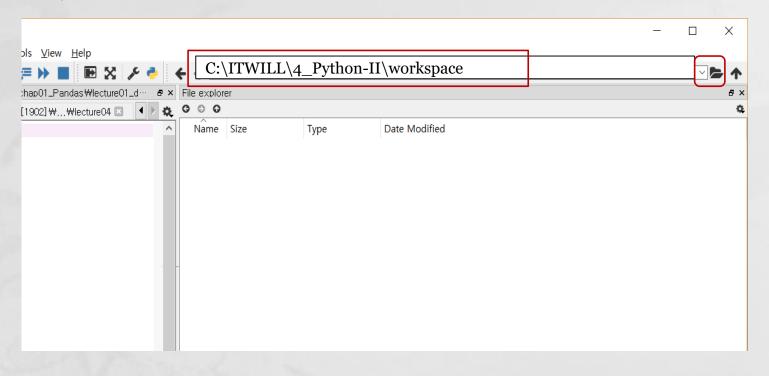


● Current working directory 설정



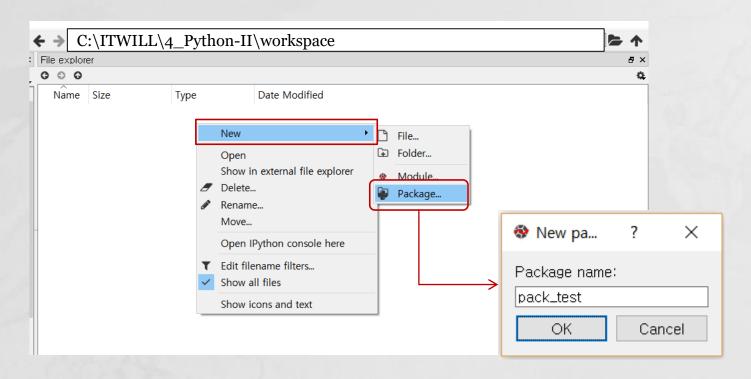
● Working directory 설정

Spyder 우측 상단의 '폴더' 모양 아이콘을 누르고 탐색기로 경로를 설정해주면 'Working directory가 설정된다. 이와 같이 설정해주면 파일 저장이나 불러오기 작업이 편리하다.

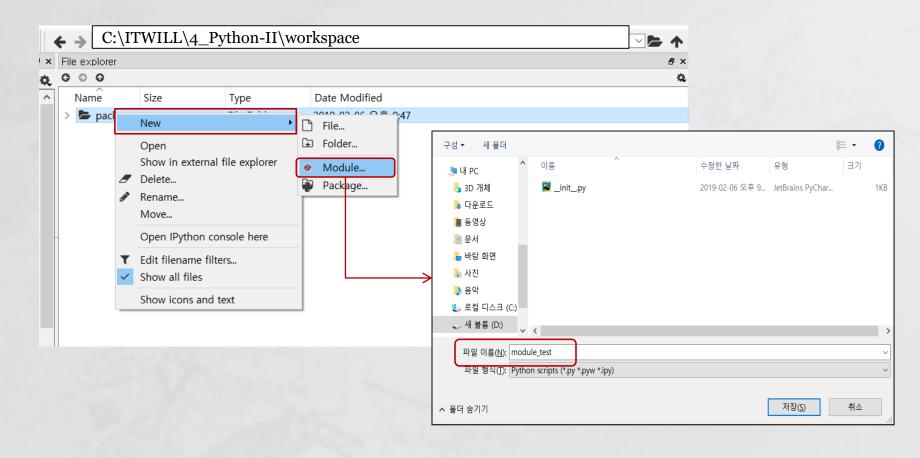


● packages 만들기

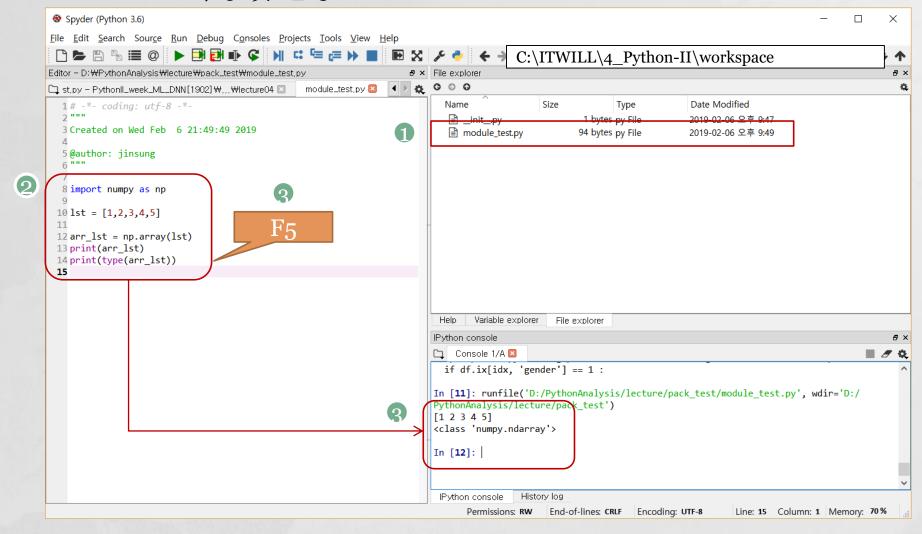
Python의 Package는 동일한 모듈(module)을 묶어주는 역할을 한다.



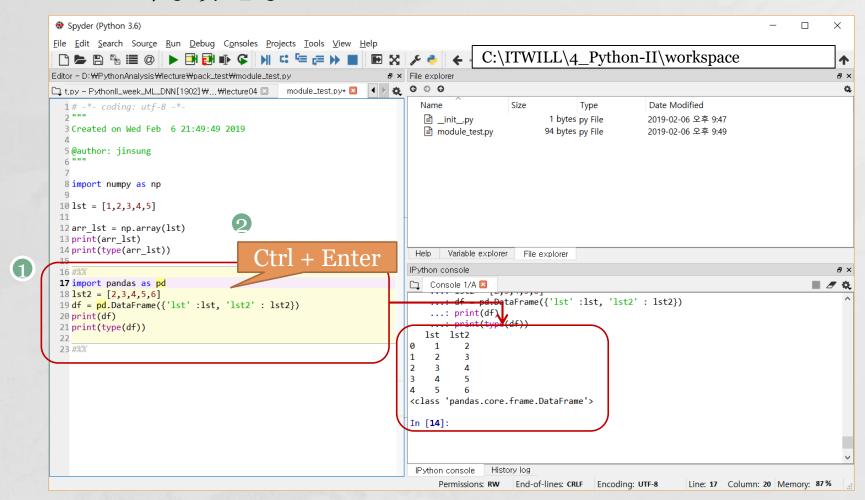
● module 만들기 moduel은 Python의 파일이며, *.py 형식으로 만들어진다.



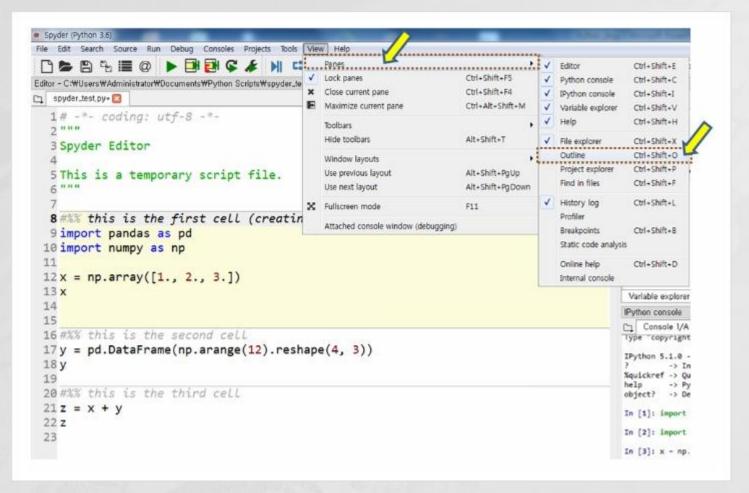
● module 작성 및 실행



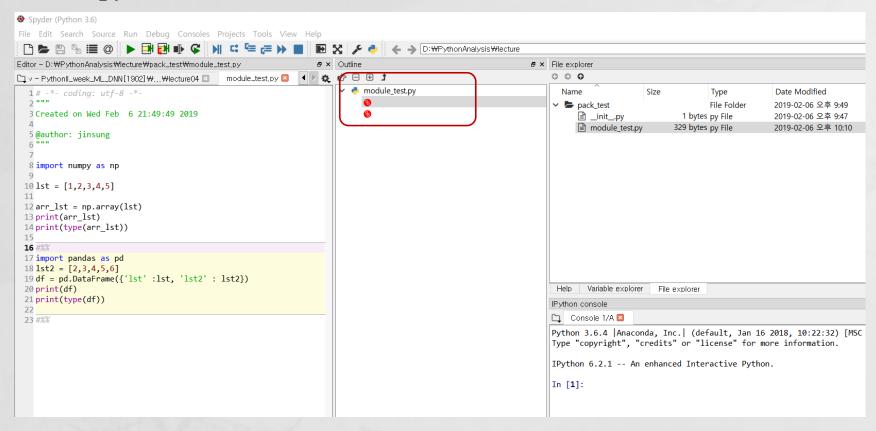
● cell 작성 및 실행



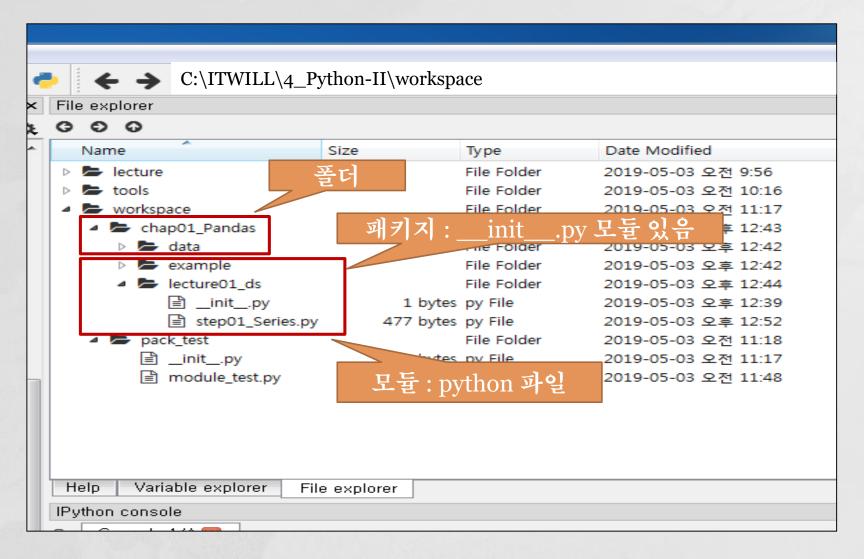
• Spyder outline[cell 보기]



Spyder outline



폴더 vs 패키지vs 모듈



Anaconda Package docs

https://docs.anaconda.com/anaconda/packages/pkg-docs/

