

모의해킹 환경 구축 가이드

원도우 환경 구축 가이드

Rookies

E119

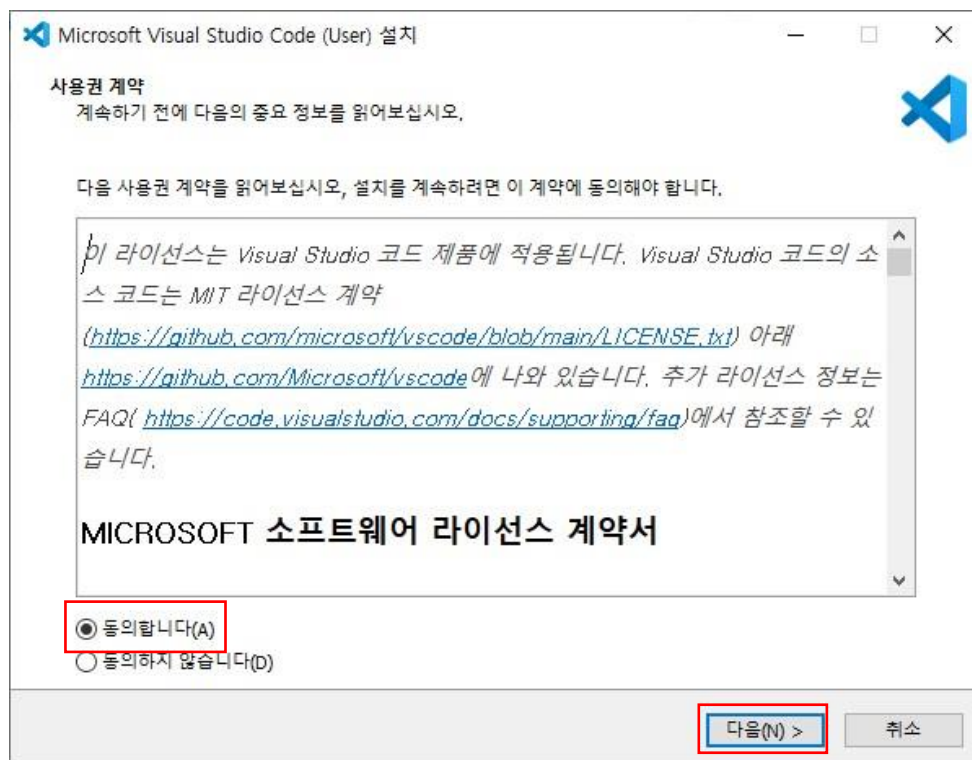
1. Window 초기 사용 환경설정

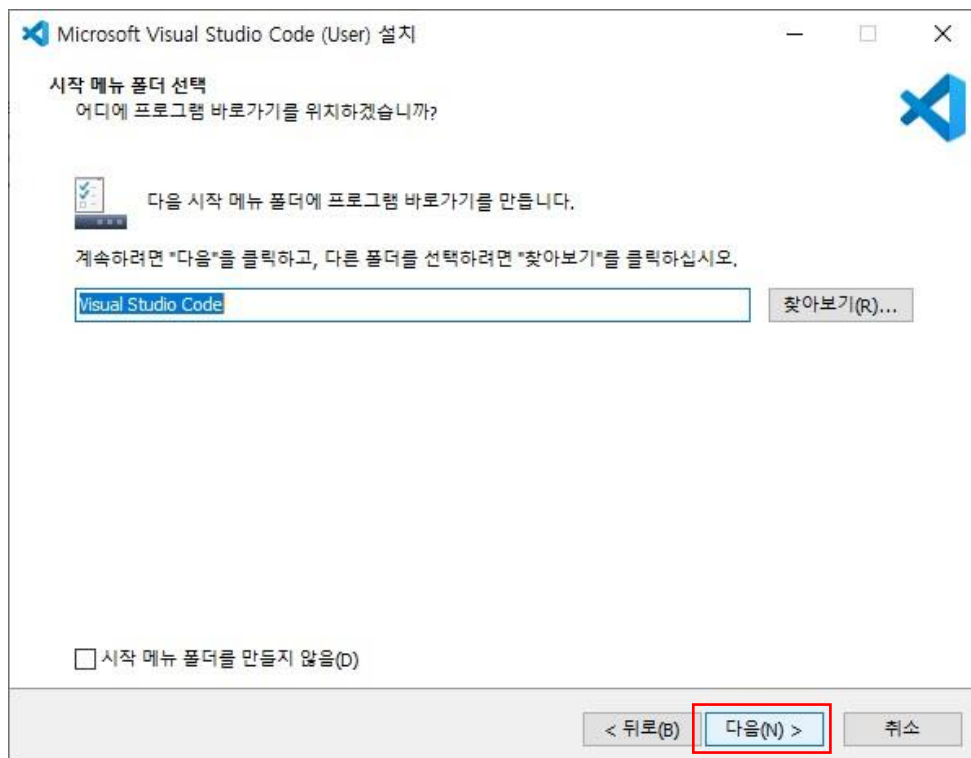
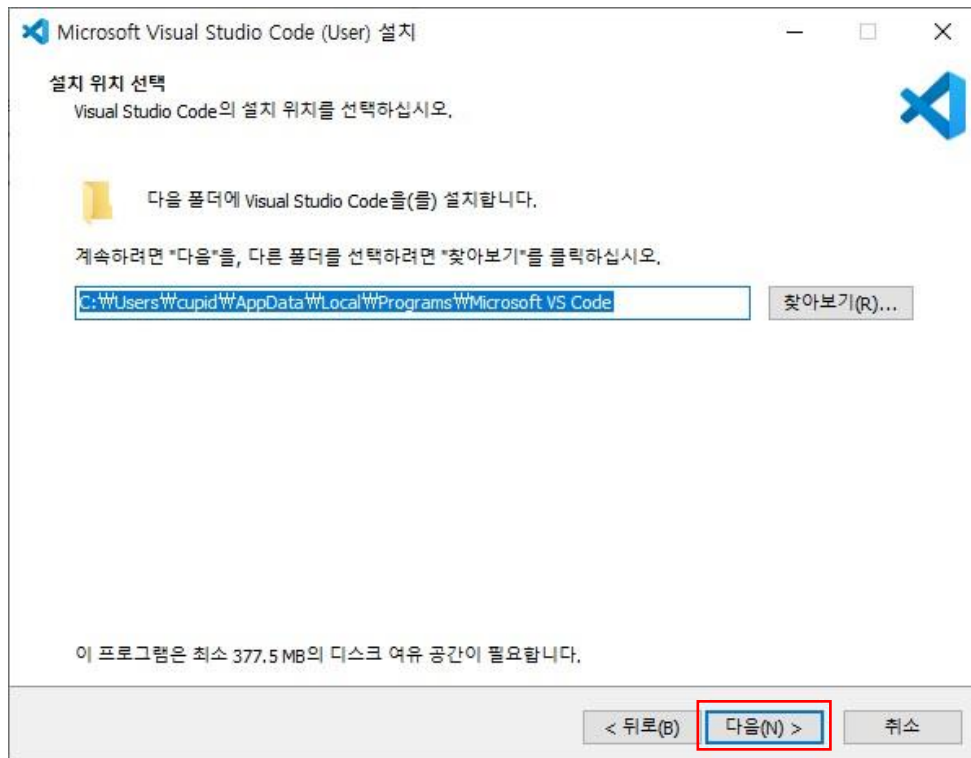
[환경설정 버전]

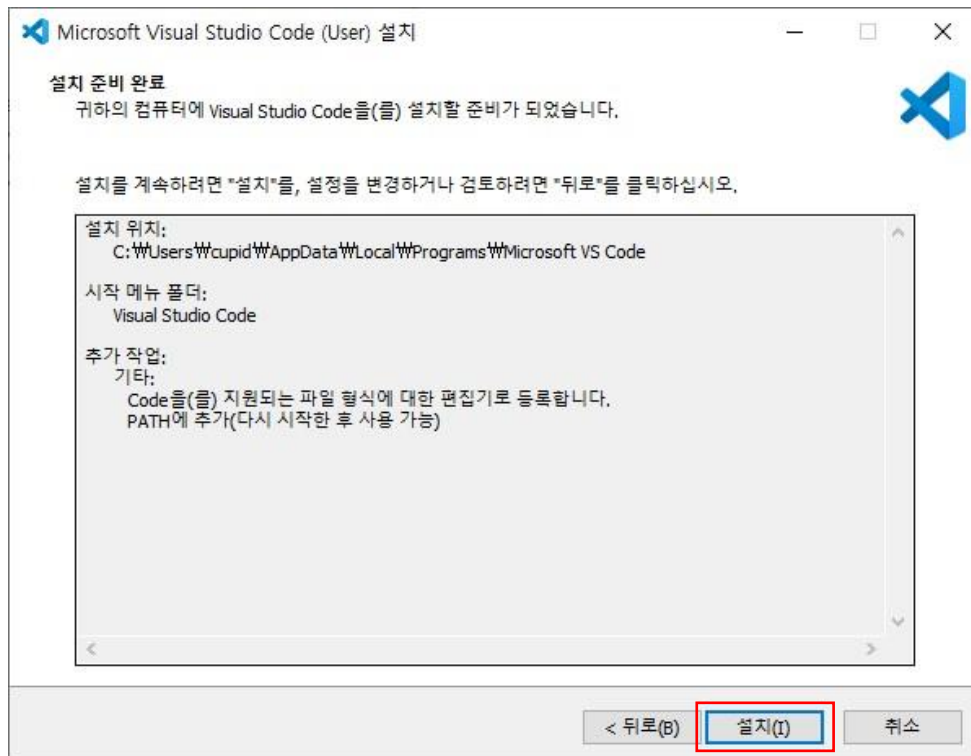
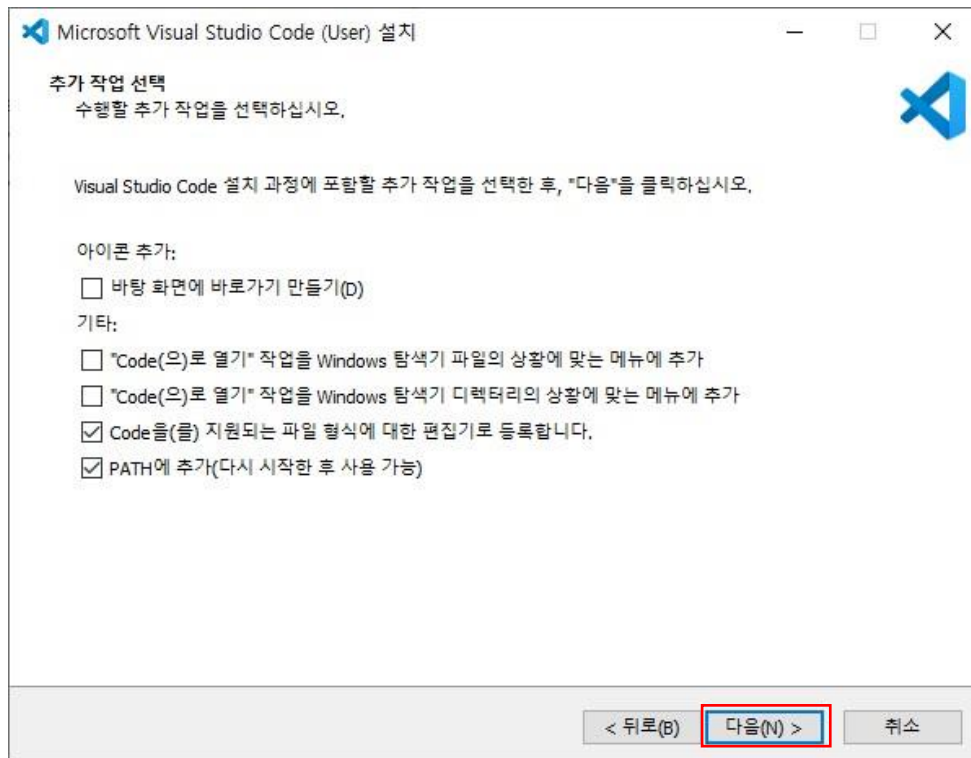
- MySQL : 8.0.32
- Jdk : 11

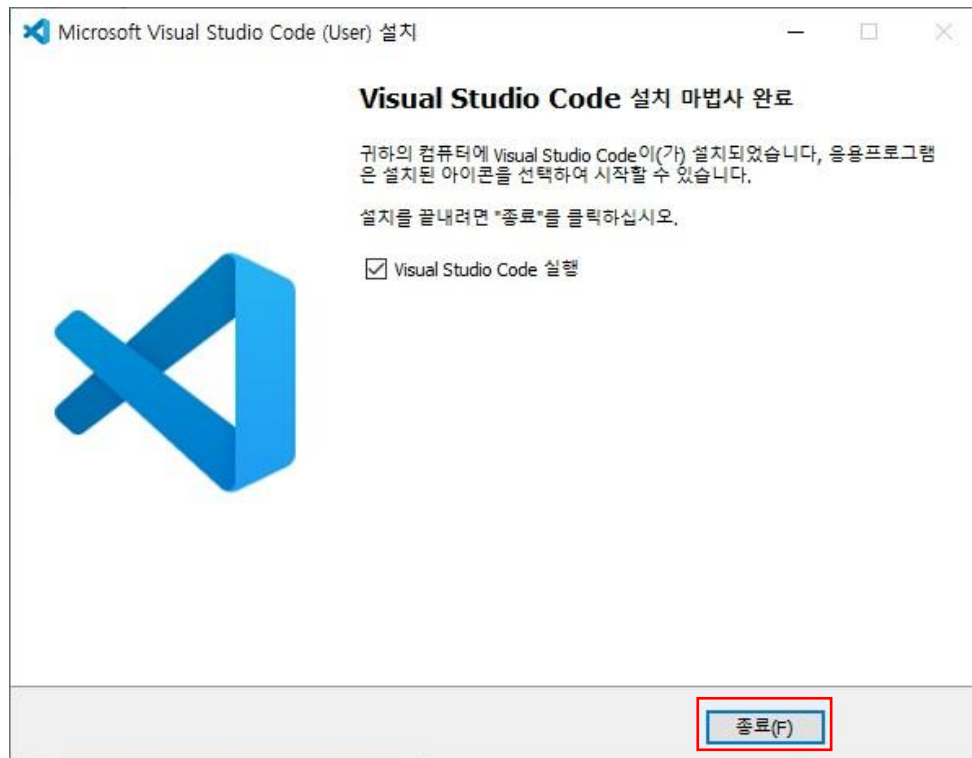
1.1 VScode 설치

- VScode를 설치한다.





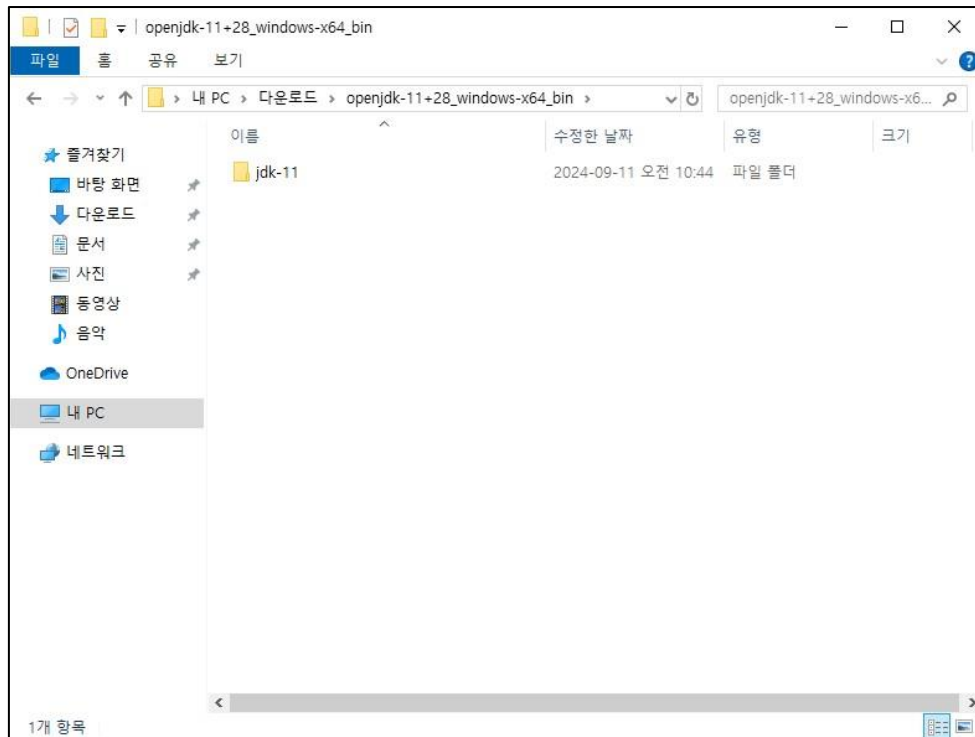




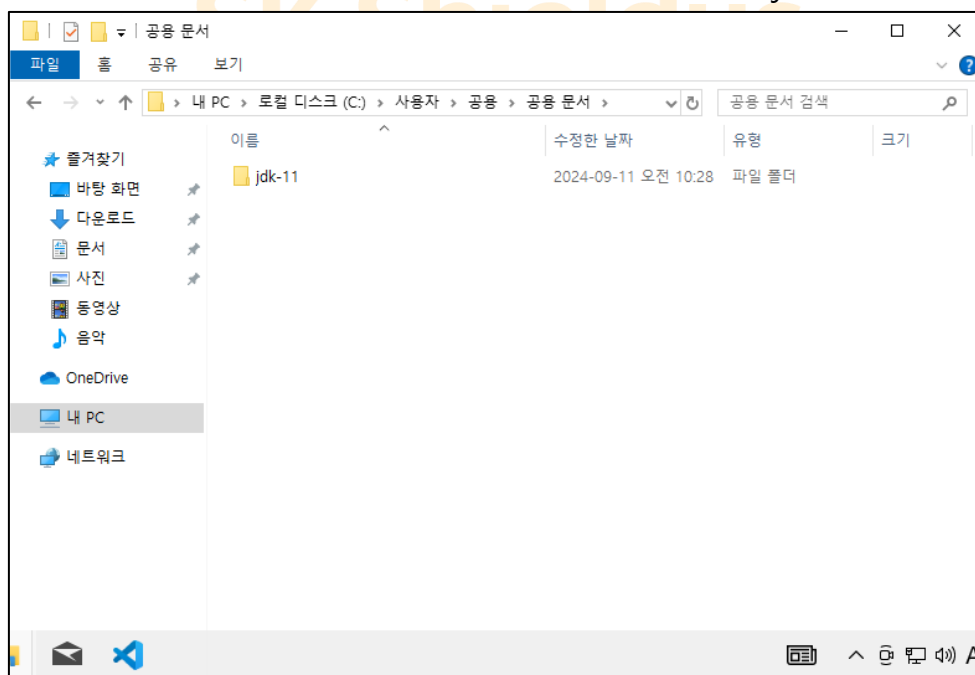
SK Shieldus Rookies

1.2 Java 설치

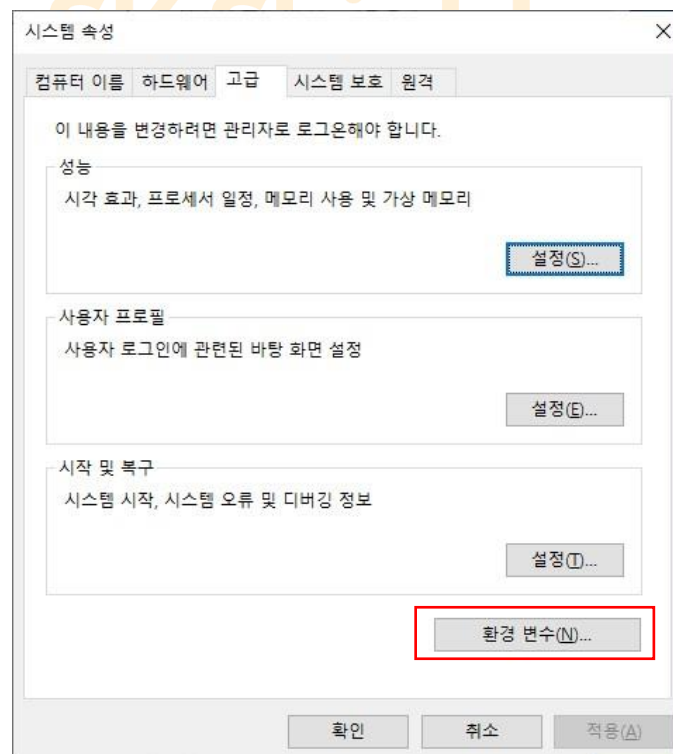
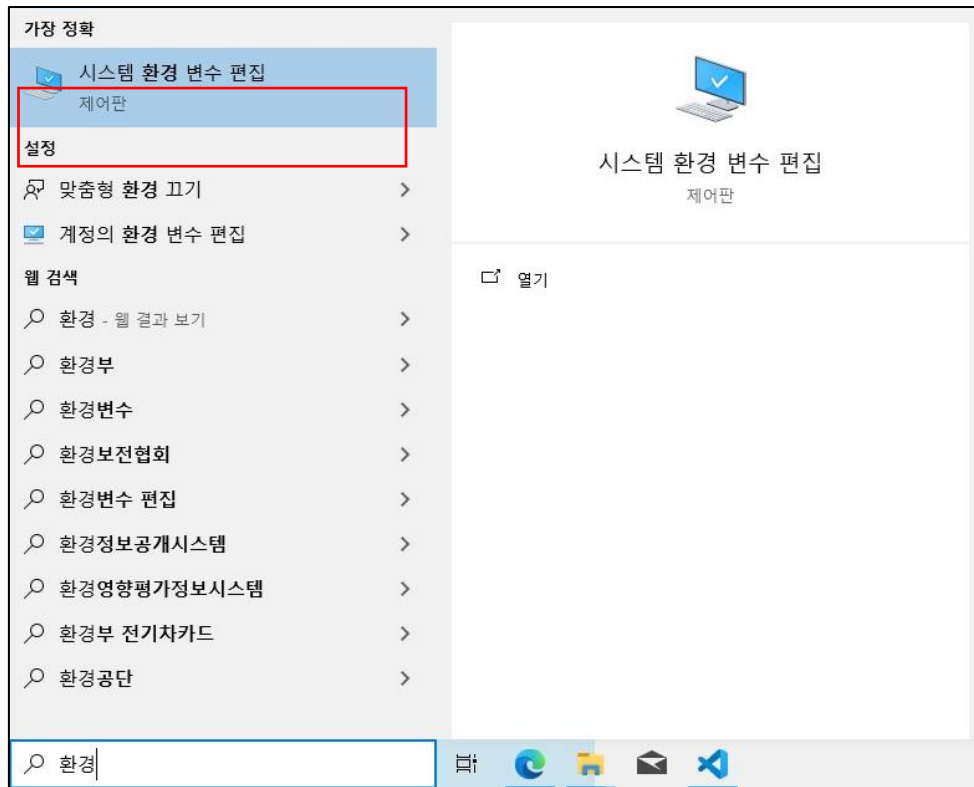
1.2.1 Jdk 설치

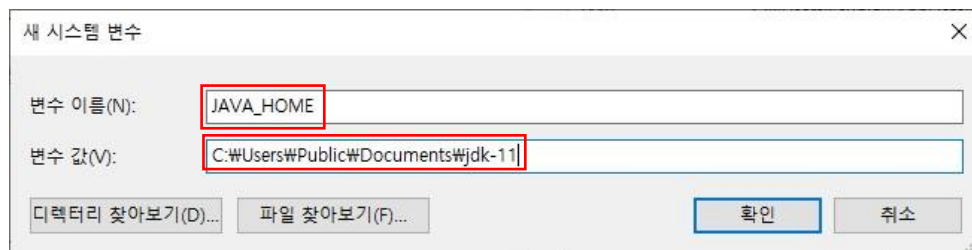
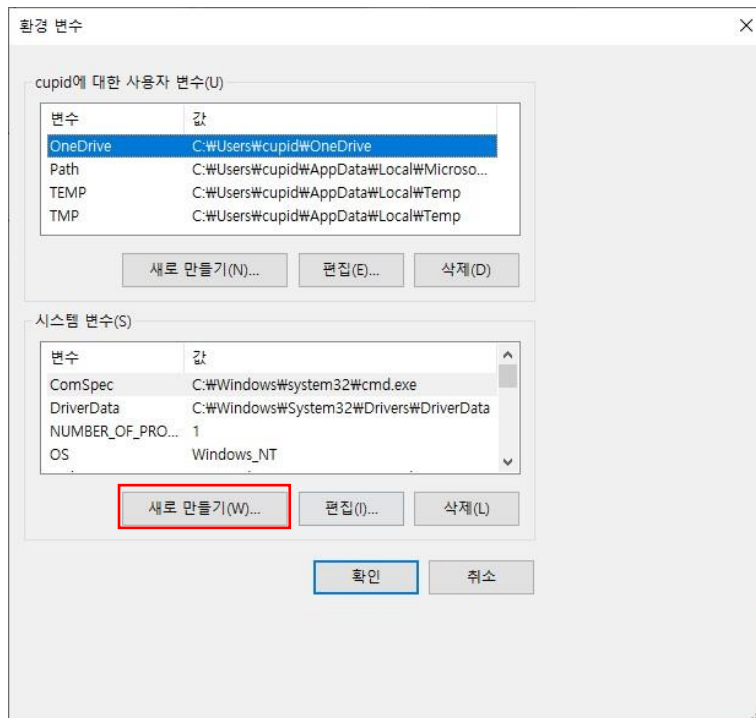


- 다운받은 압축폴더의 압축을 해제하고, 원하는 경로에 jdk폴더를 옮겨준다.

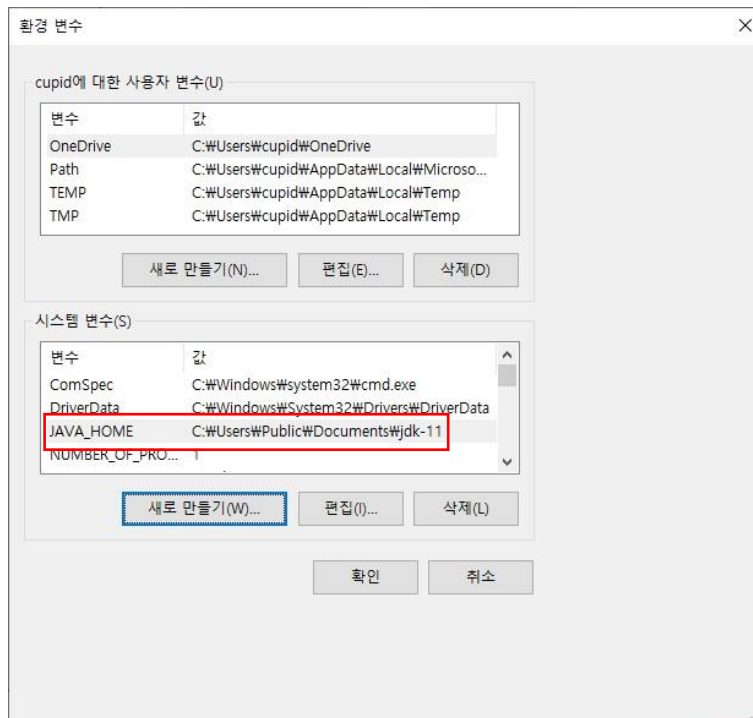


- Java를 호출할 수 있도록 Path 설정을 해준다.

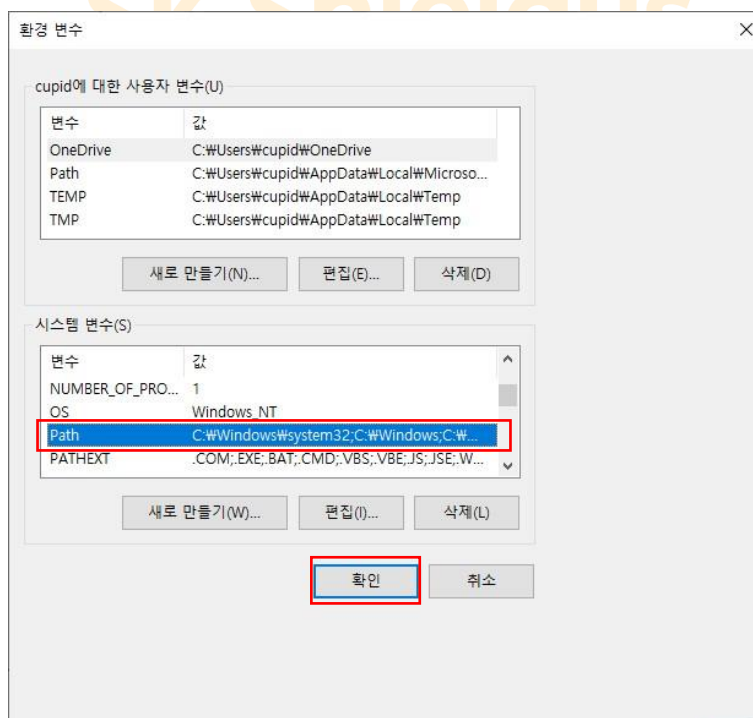


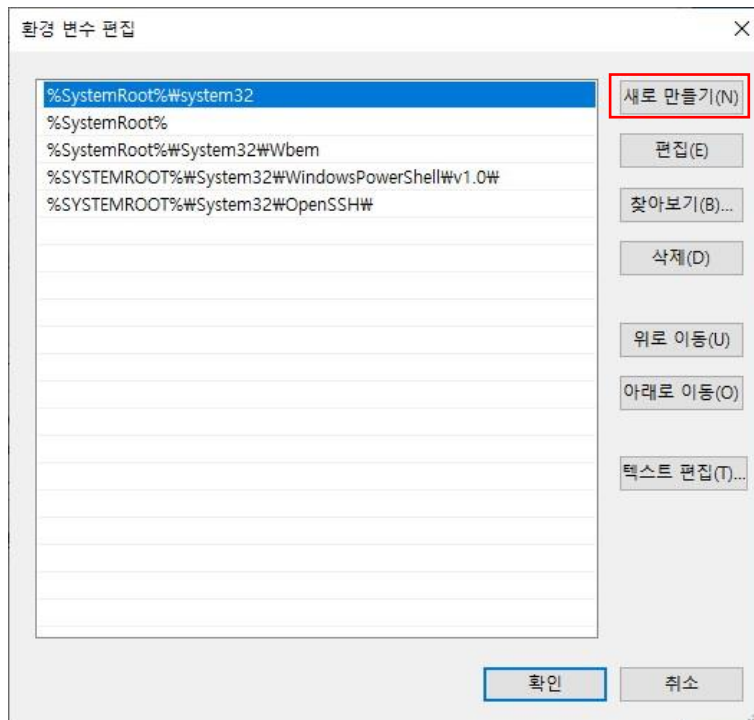


- 변수의 이름은 JAVA_HOME 으로 입력하고 변수의 값에 jdk 폴더의 경로를 입력한다.

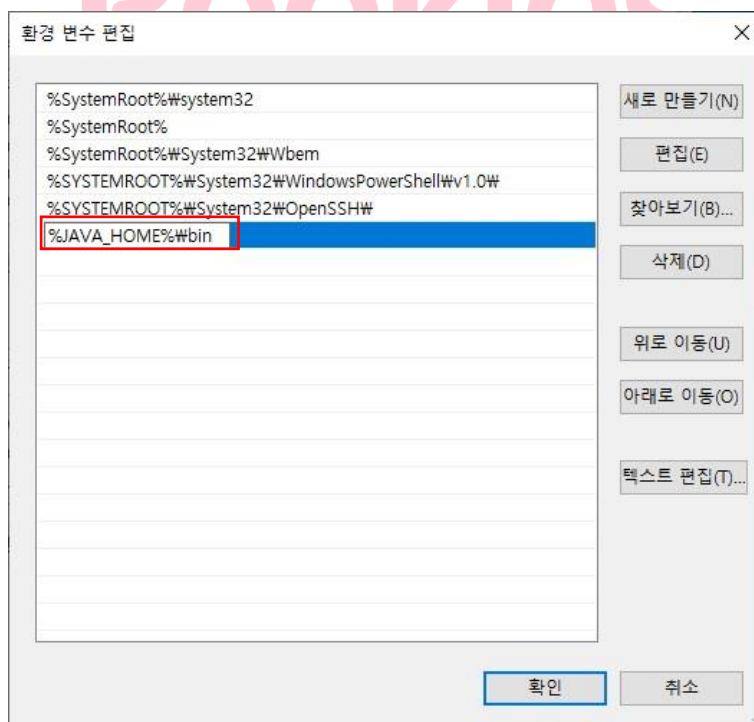


- JAVA_HOME 시스템 변수가 생성된 것을 확인할 수 있다.

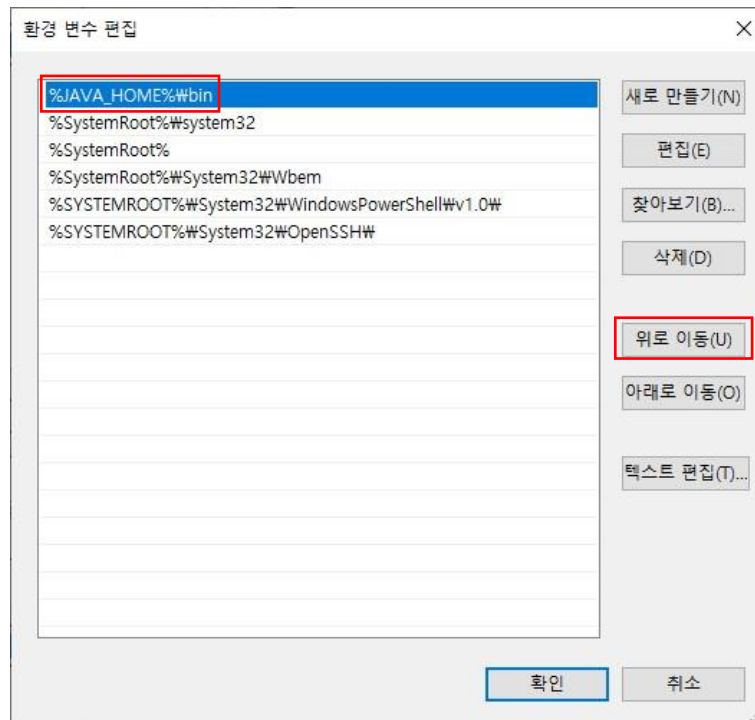




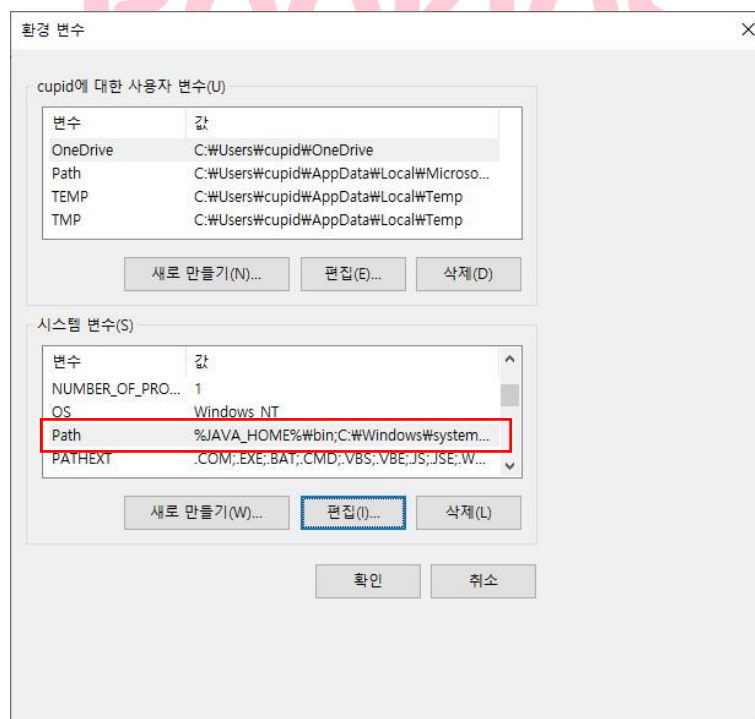
- 생성한 JAVA_HOME 시스템 변수를 사용하여 Path 설정을 해준다. Path 시스템 변수를 찾아 편집한다.



- %JAVA_HOME%\bin 을 새로 만들어서 아까 설정해둔 JAVA_HOME 경로 안의 bin 디렉토리를 가리키게 한다.



- 위로 이동시켜 가장 위에 위치하게 한다.



- 설정을 모두 마쳤다. 커맨드 창에서 JAVA 의 버전을 확인한다.

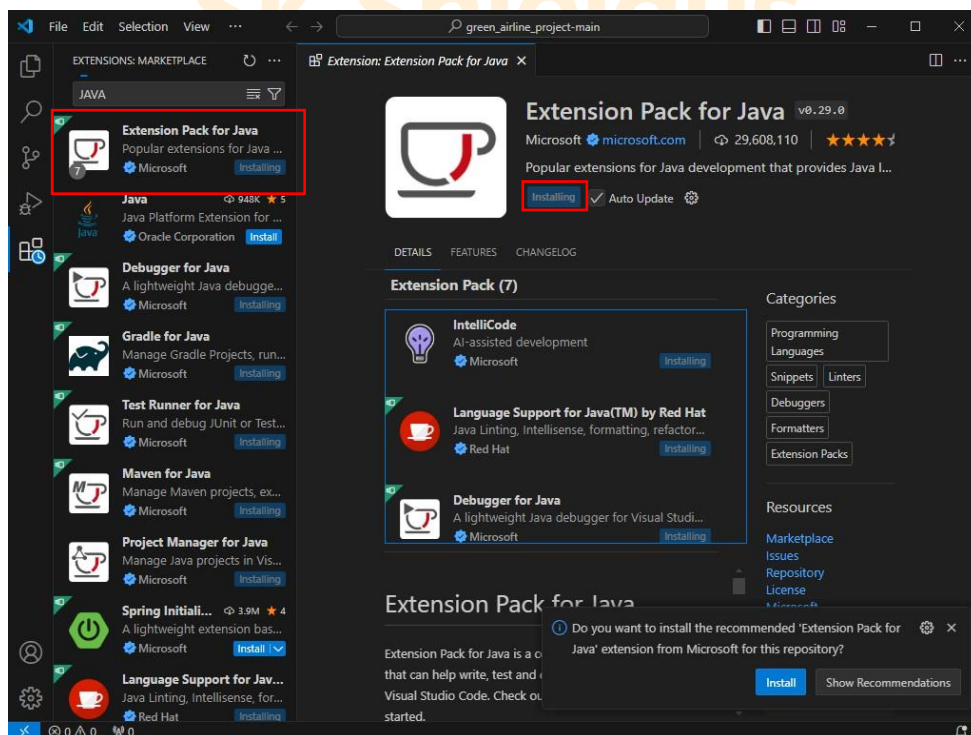
```
명령 프롬프트
Microsoft Windows [Version 10.0.19045.3803]
(c) Microsoft Corporation. All rights reserved.

C:\Users\cupid>java -version
openjdk version "11" 2018-09-25
OpenJDK Runtime Environment 18.9 (build 11+28)
OpenJDK 64-Bit Server VM 18.9 (build 11+28, mixed mode)

C:\Users\cupid>
```

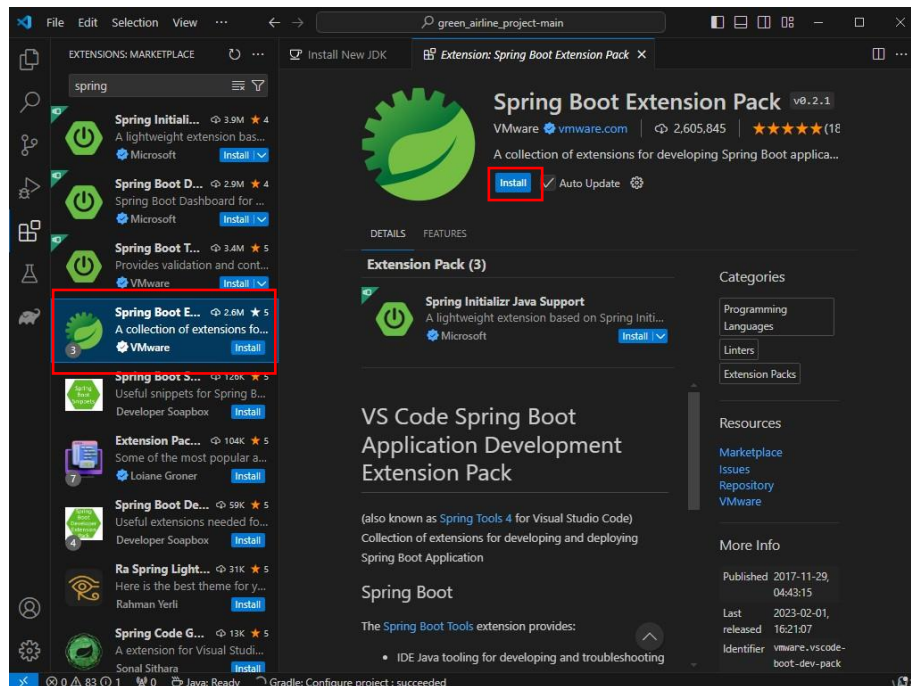
- OPENJDK 11 의 설치가 완료된 것을 확인할 수 있다.

1.2.2 VScode의 JAVA 확장 패키지 설치



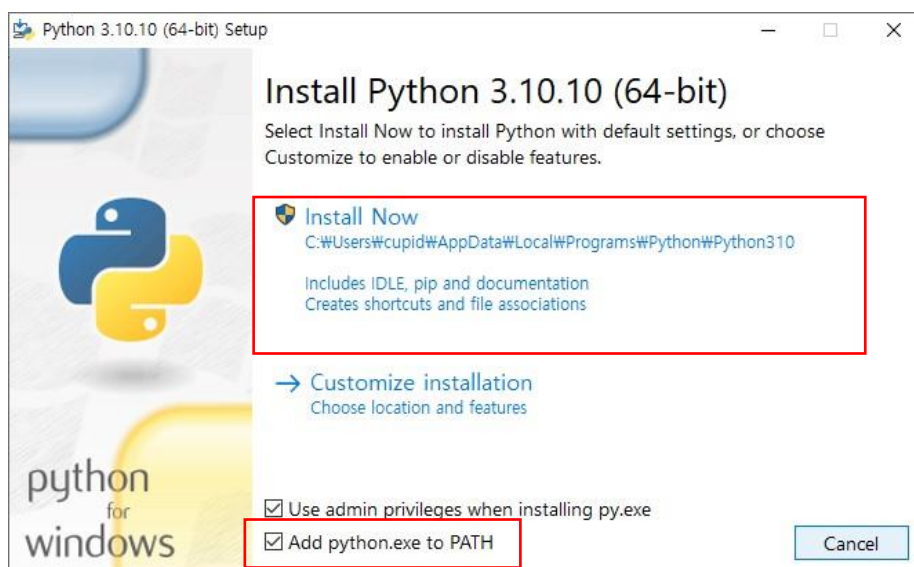
1.3 Spring 설치

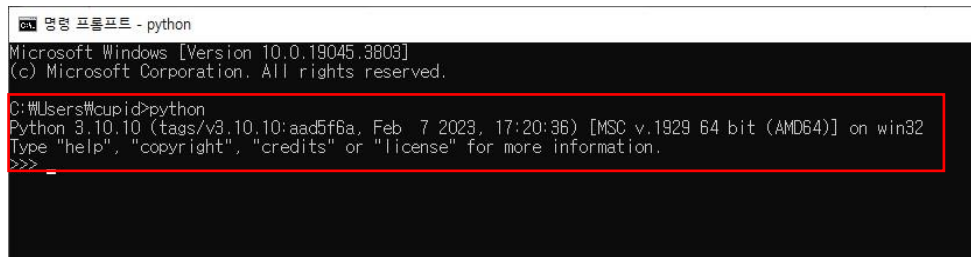
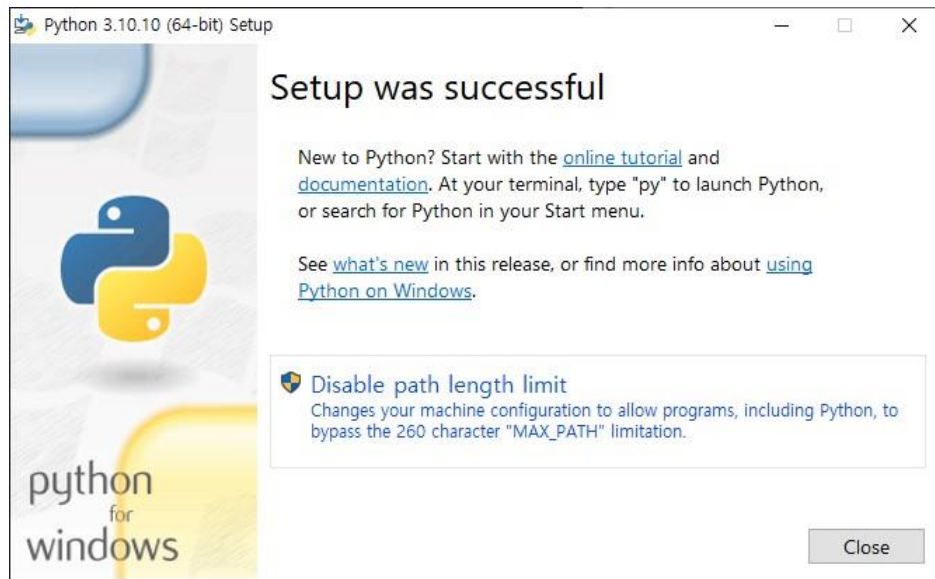
1.3.1 VScode의 Spring 확장 패키지 설치



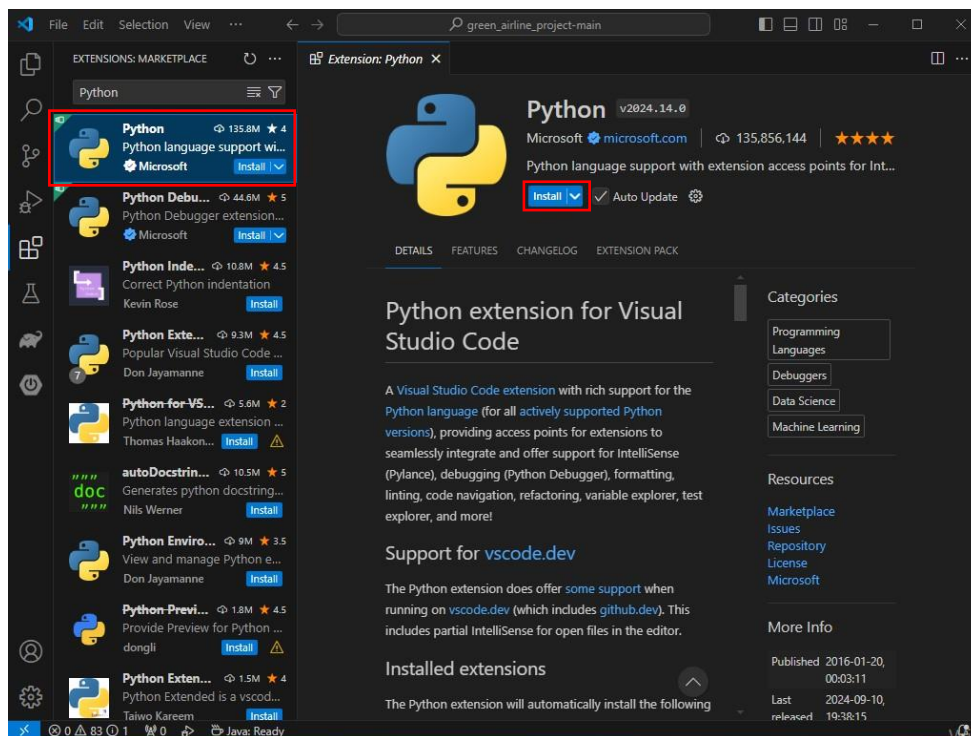
1.4 python 설치

1.4.1 python 설치



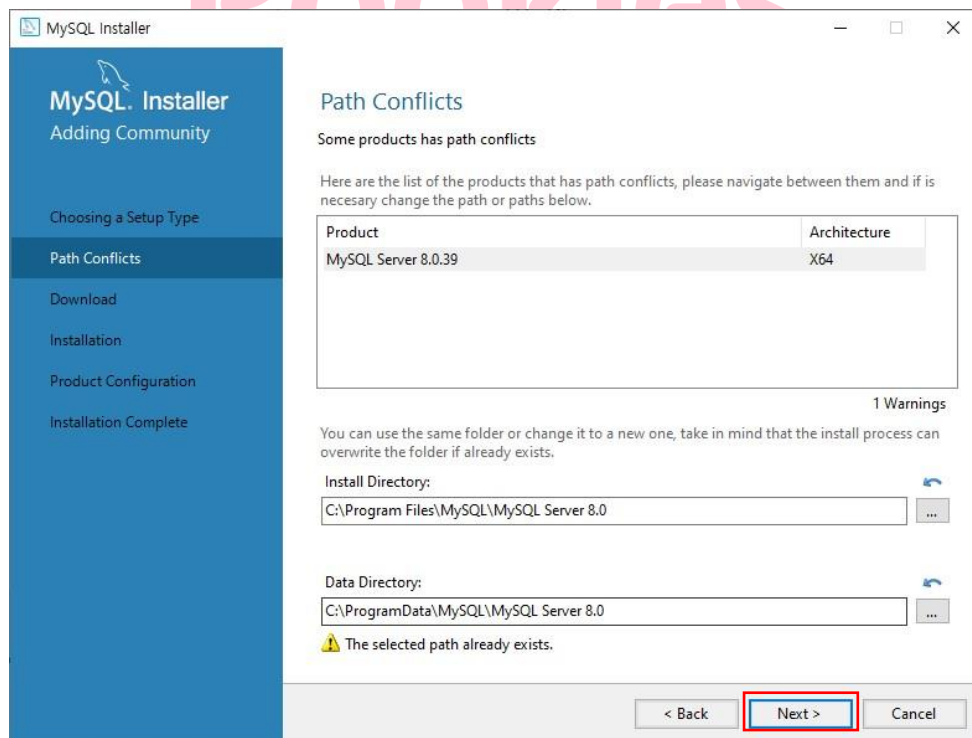
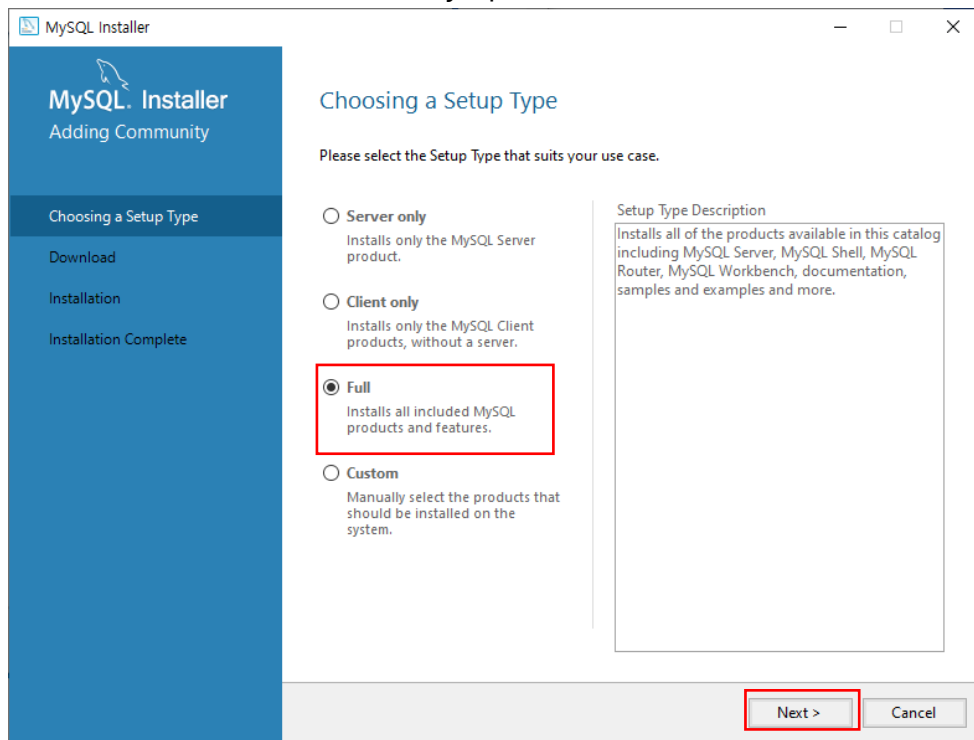


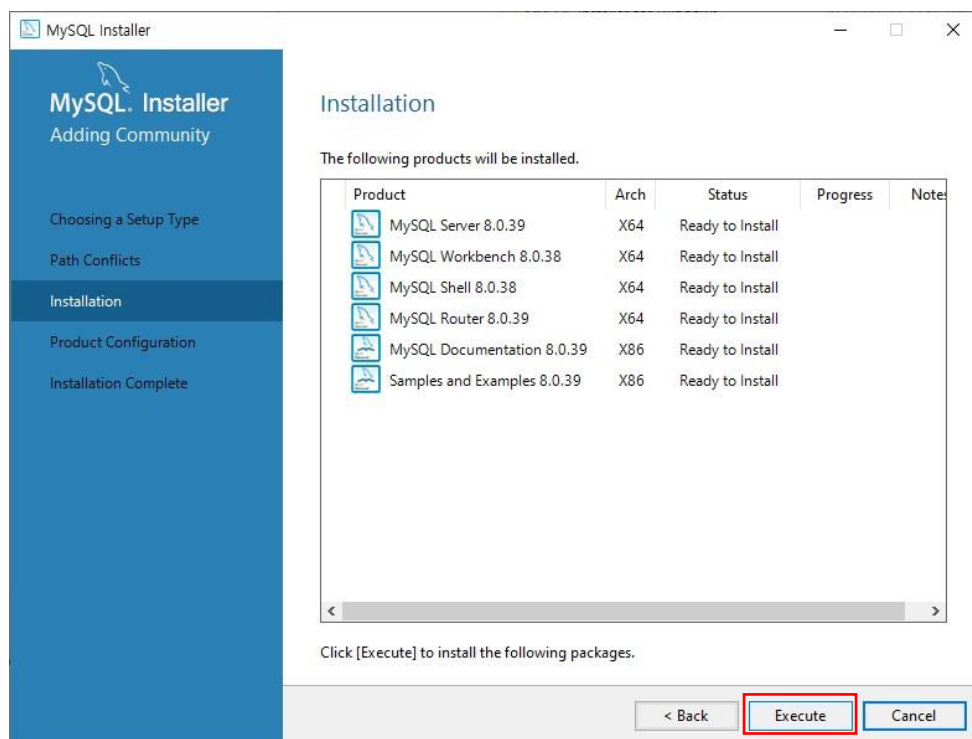
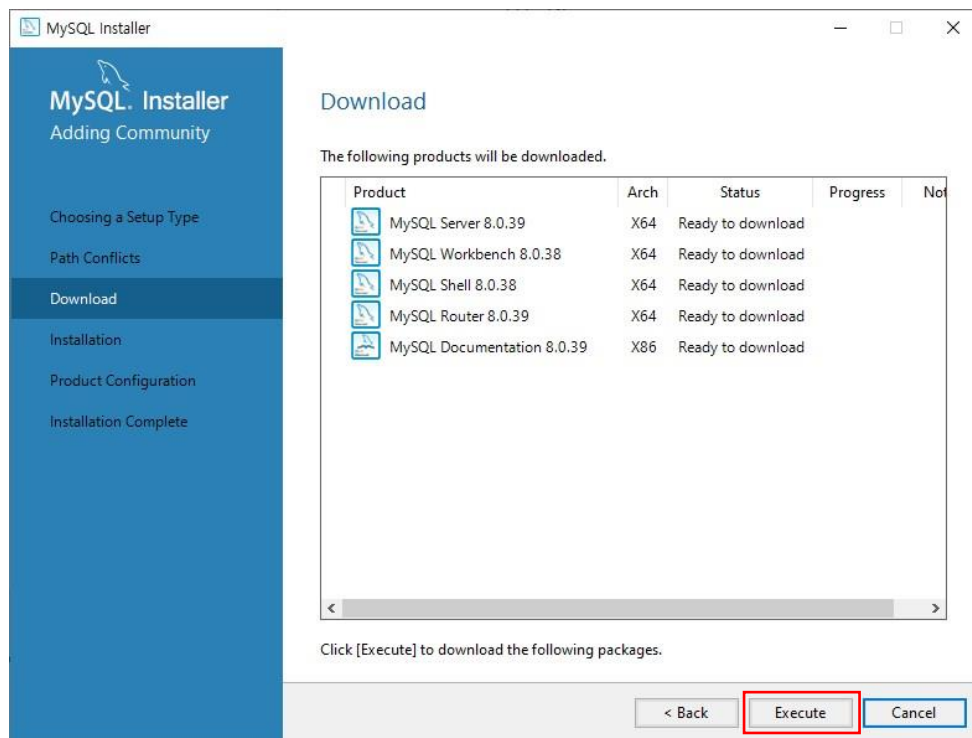
1.4.2 VScode의 python 확장 패키지 설치

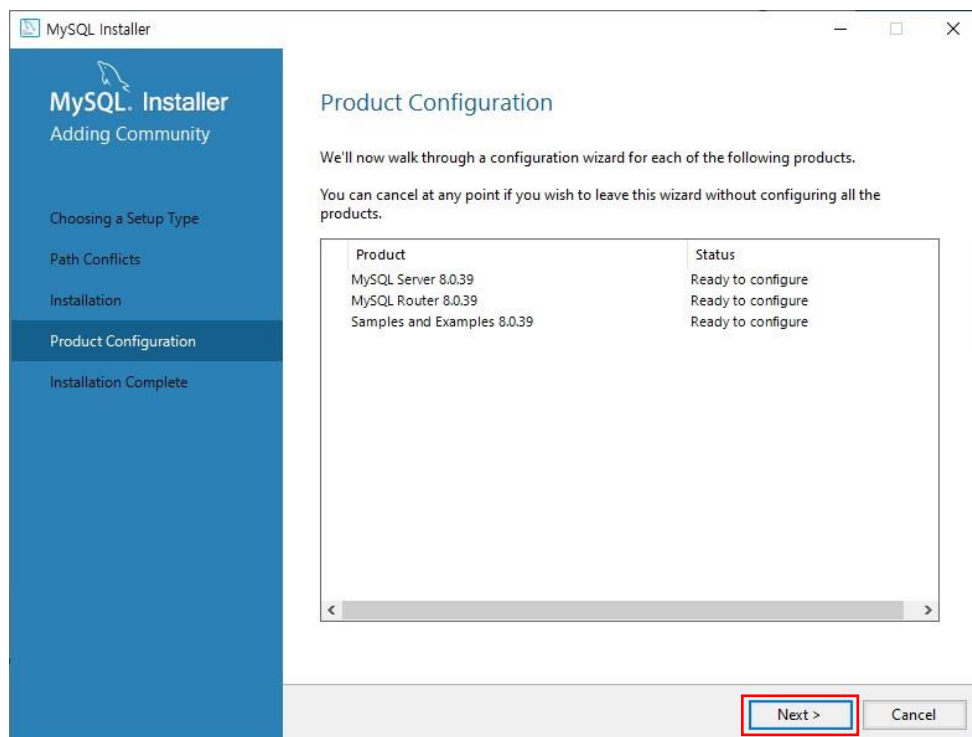
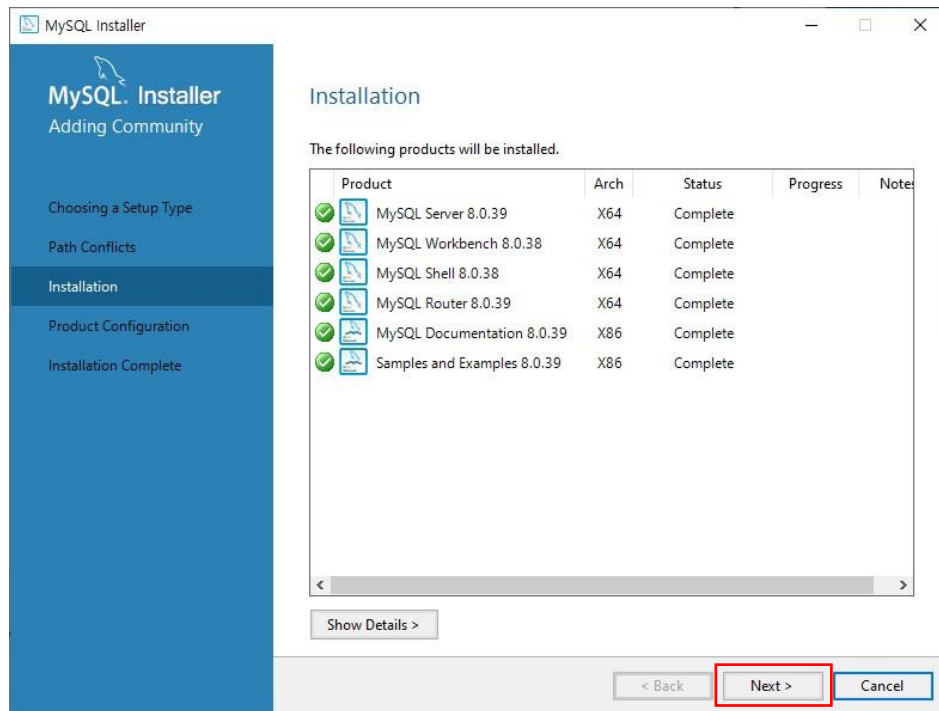


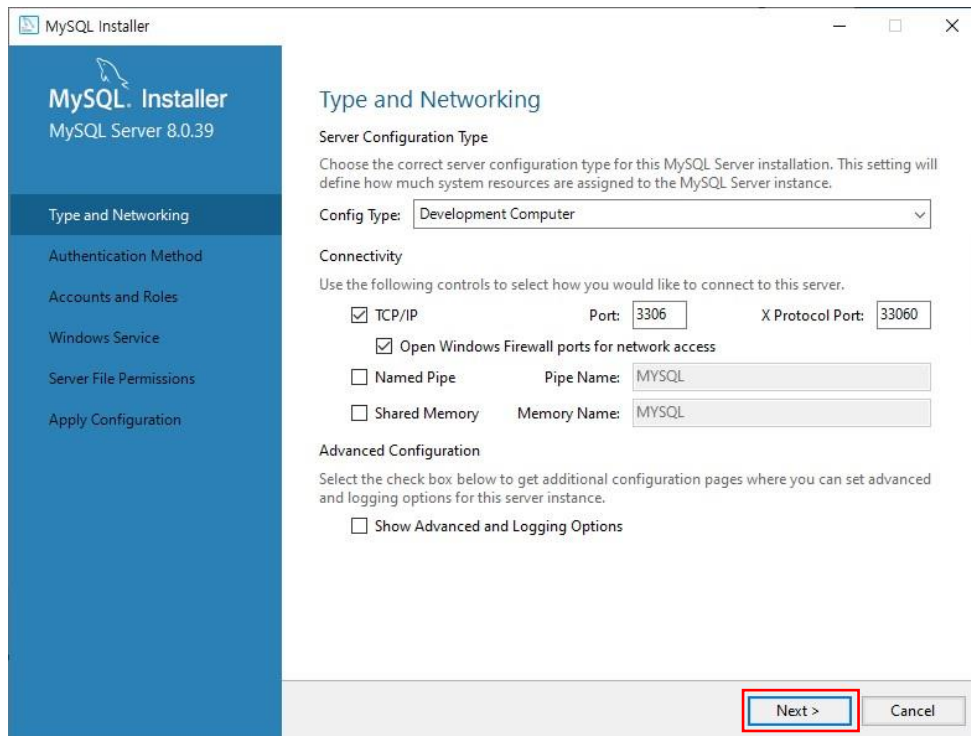
1.5 mySQL workbench 설치

- 데이터베이스를 연결하기 위한 mysql을 설치한다.

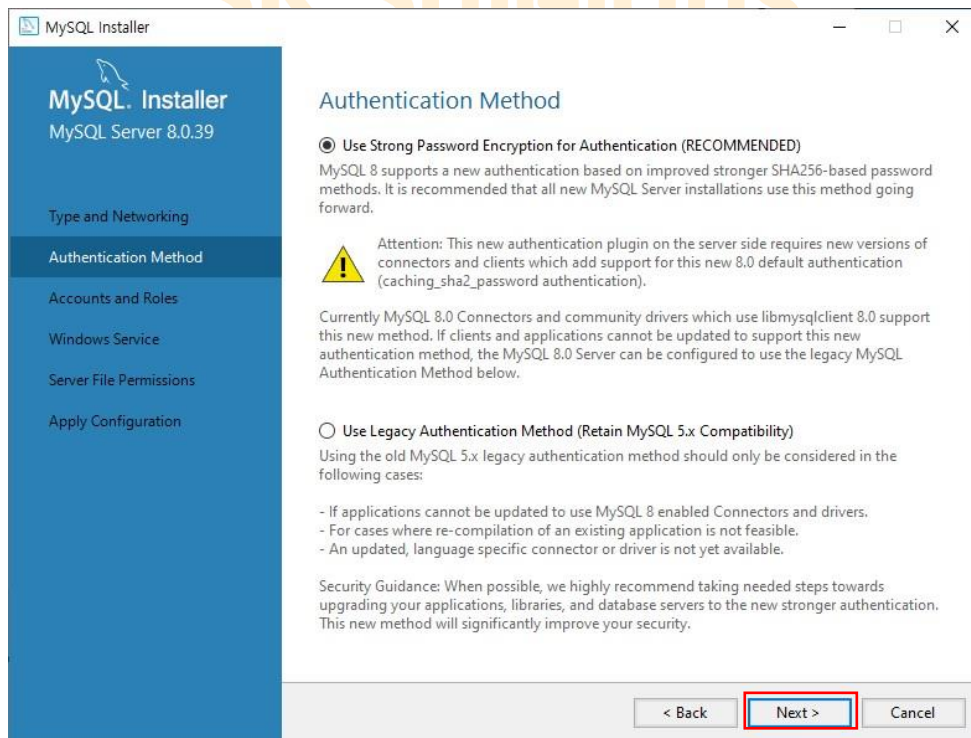




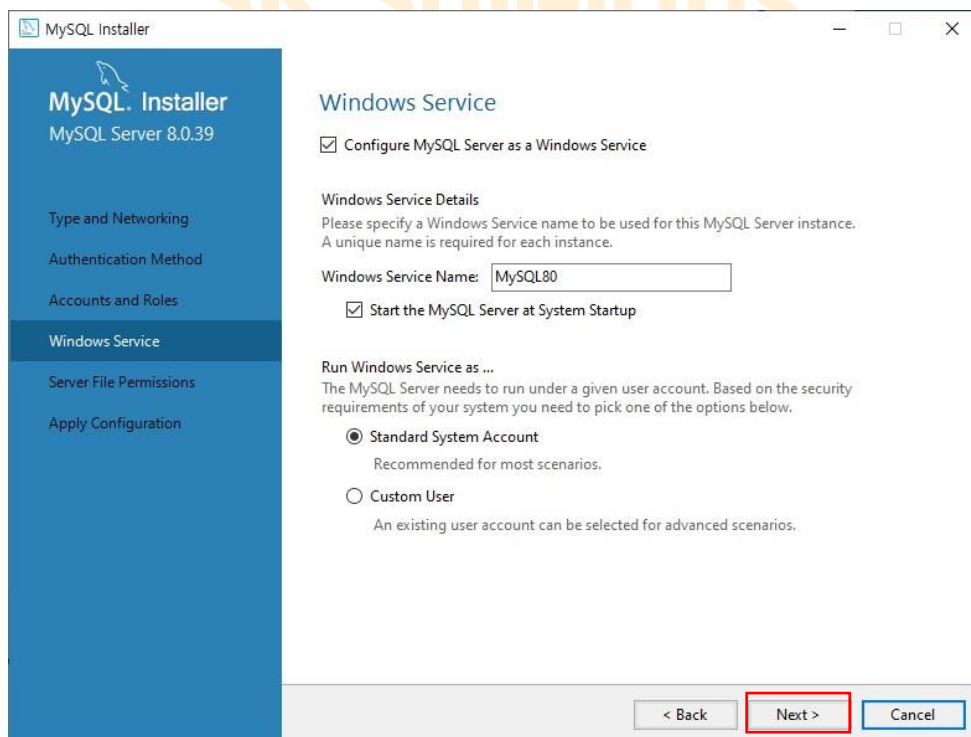
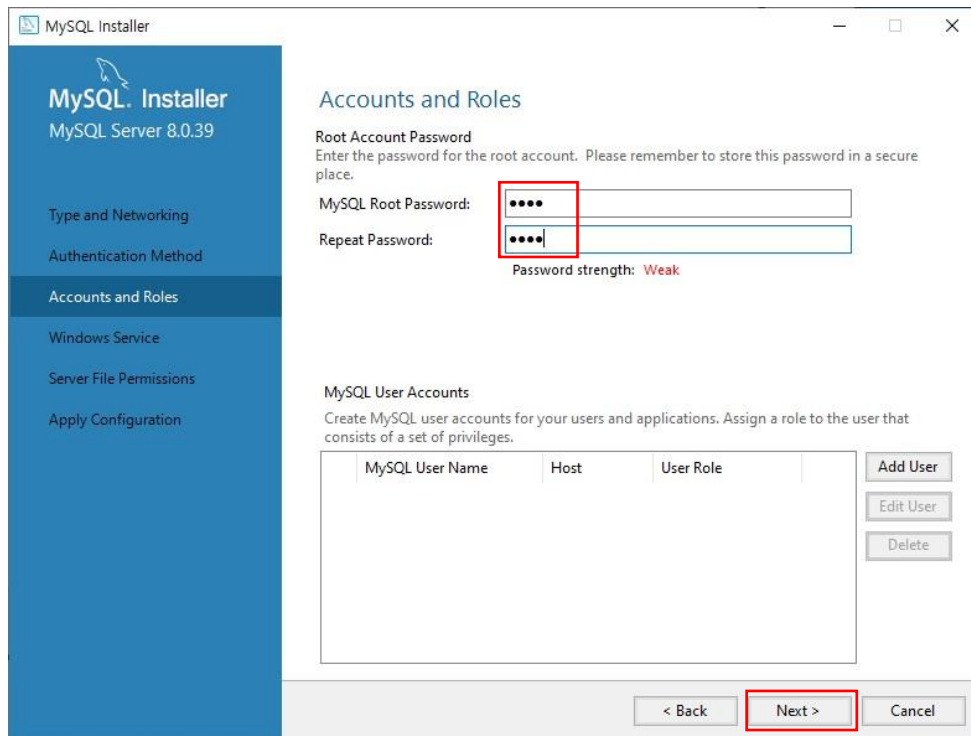


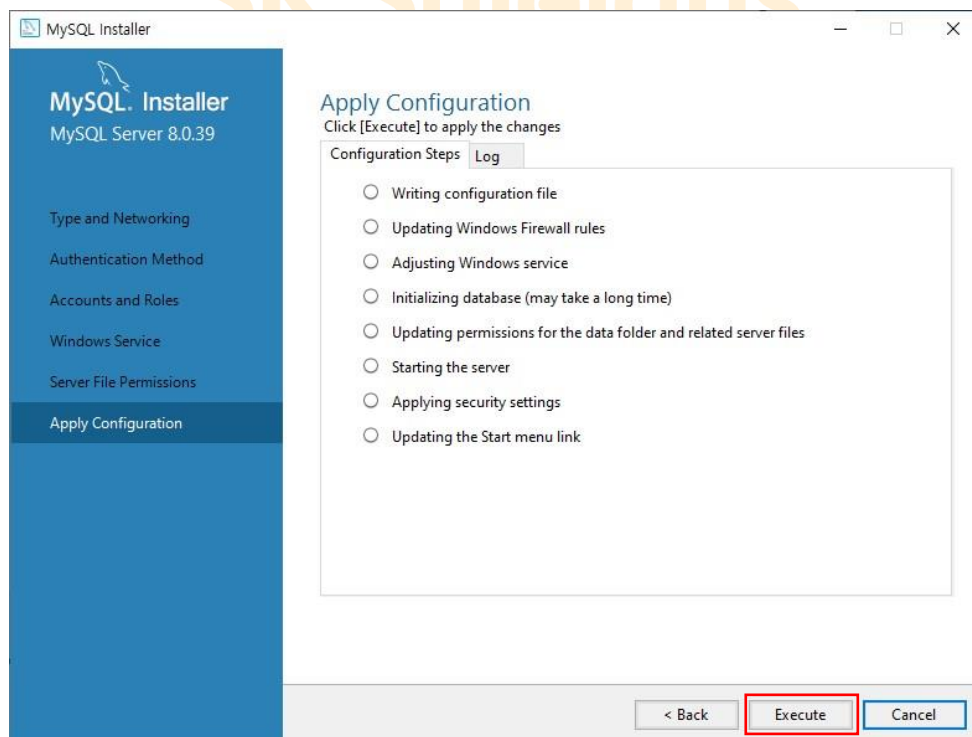
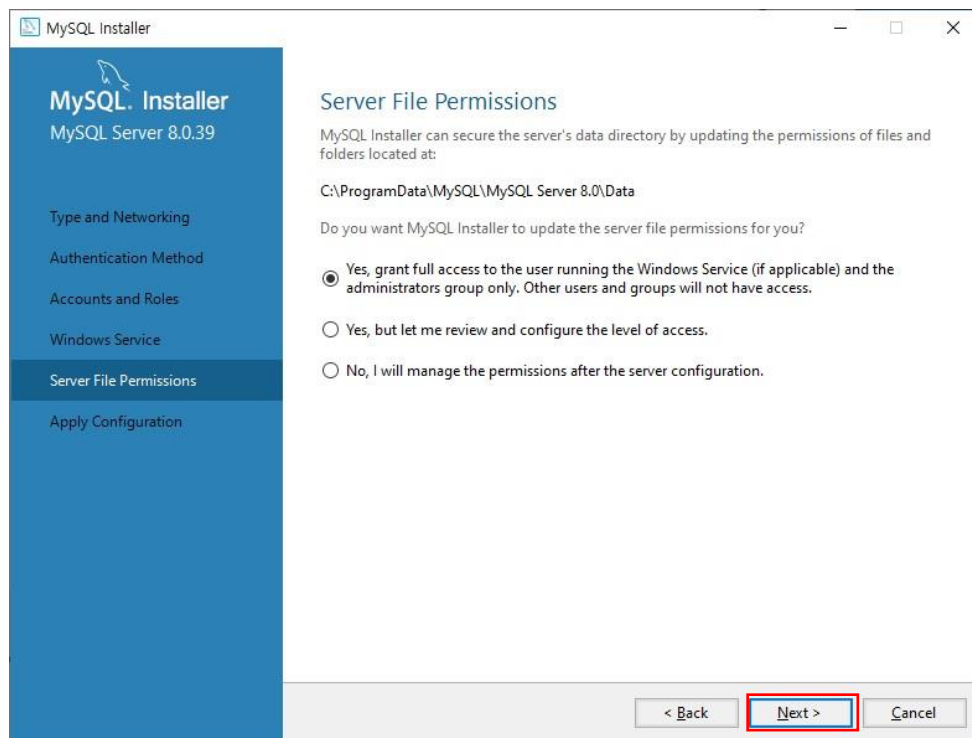


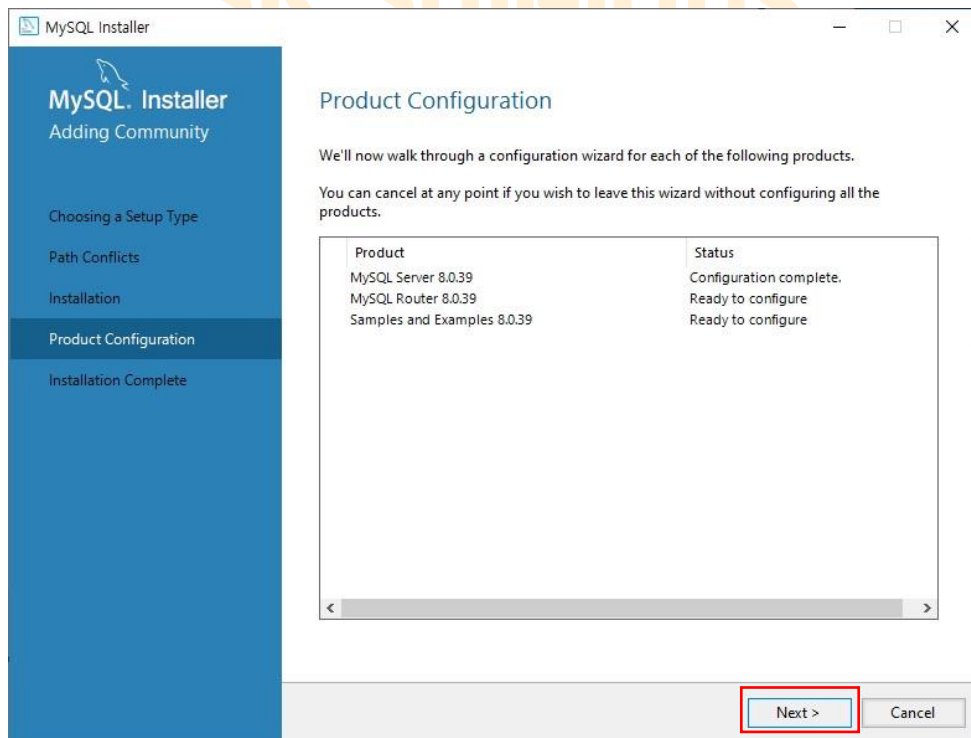
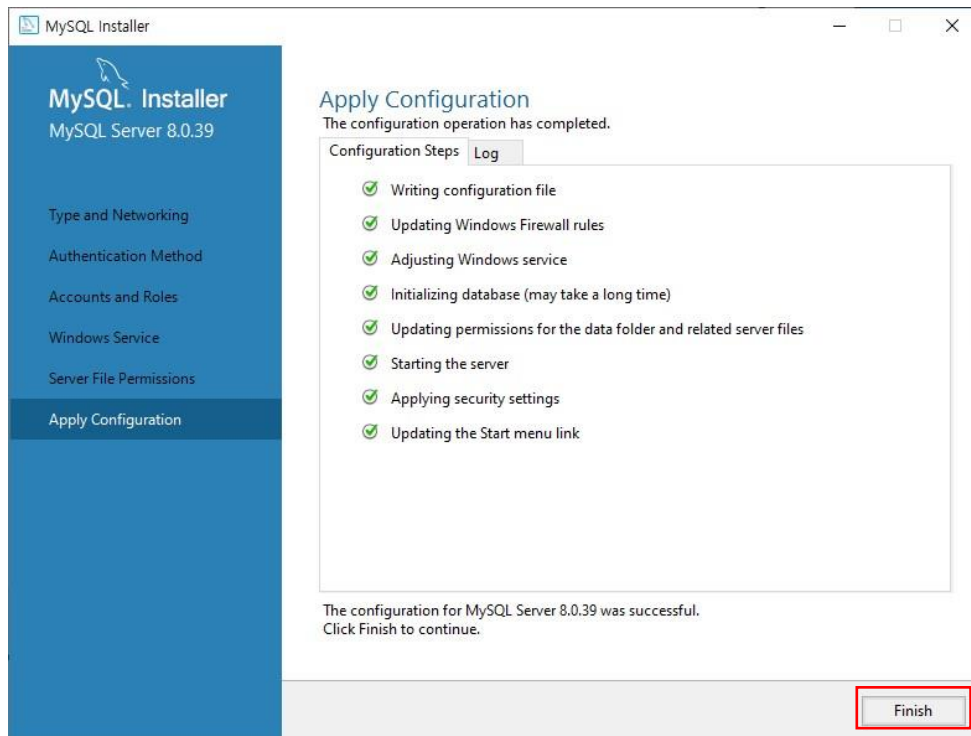
- 3306 포트로 진행한다.

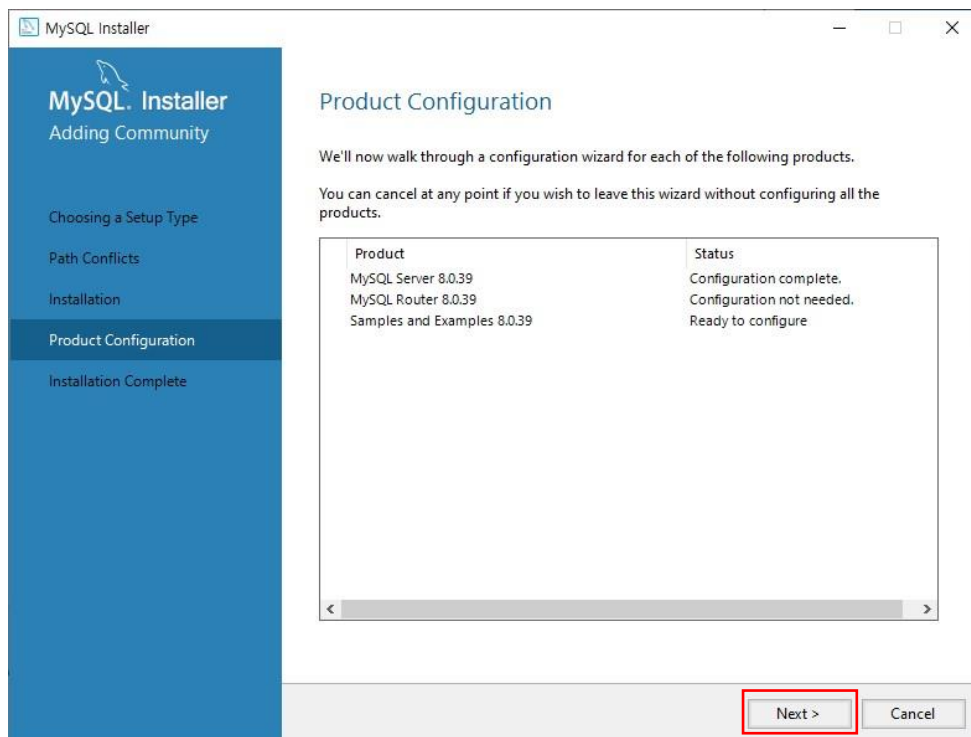
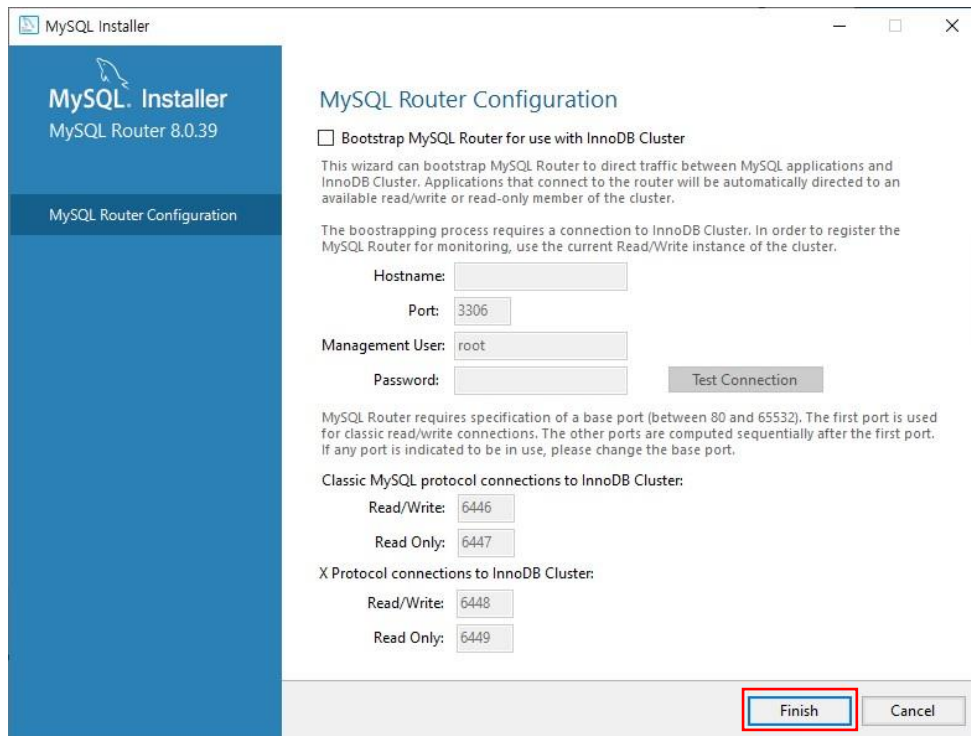


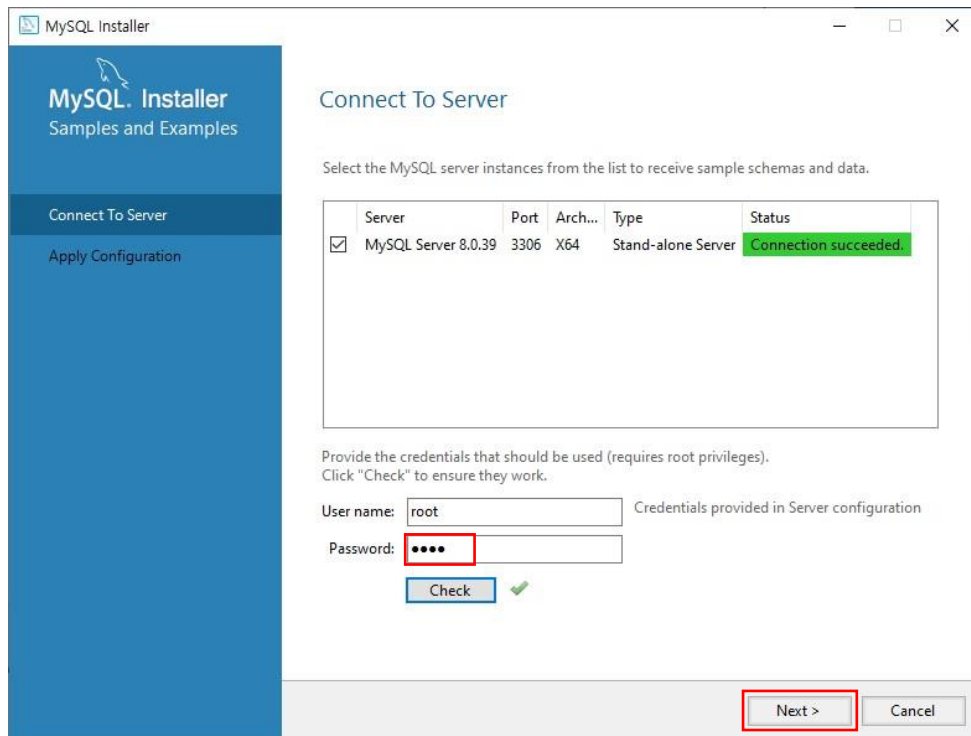
- Next 를 누르면 비밀번호를 설정하는 창이 뜬다. 비밀번호는 후에 계속 사용할 것이기 때문에 잊어버리면 안된다.



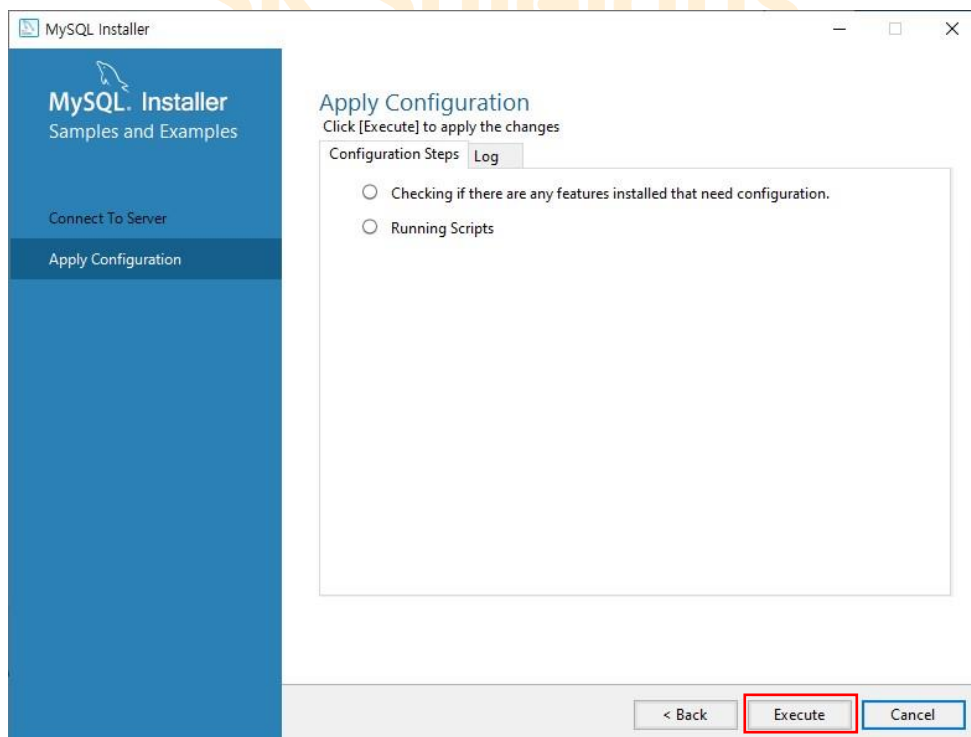


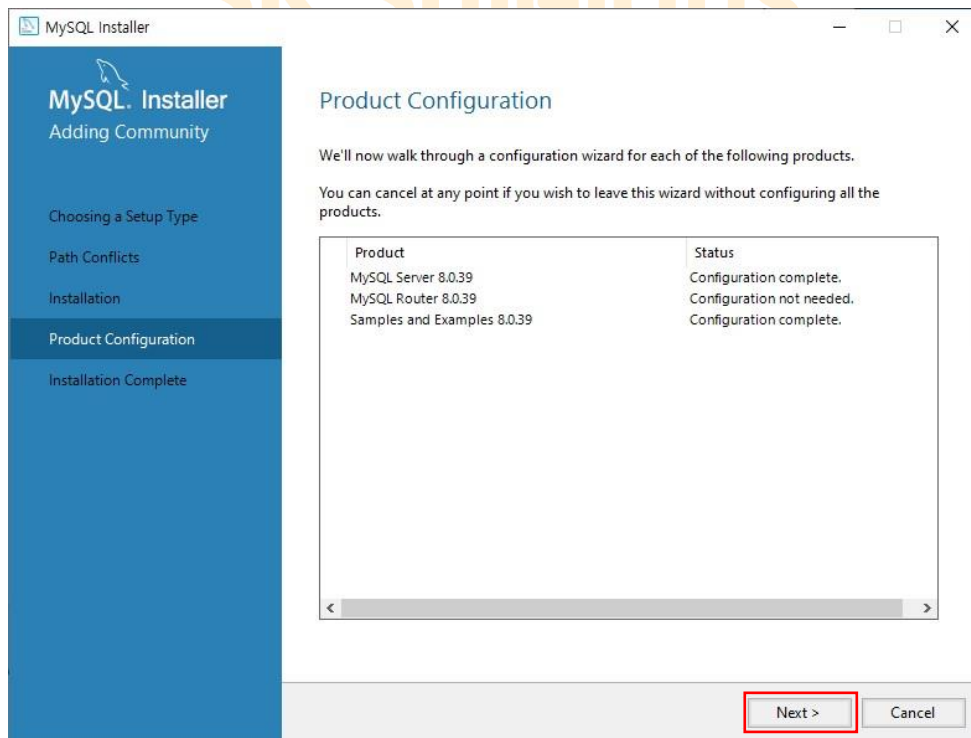
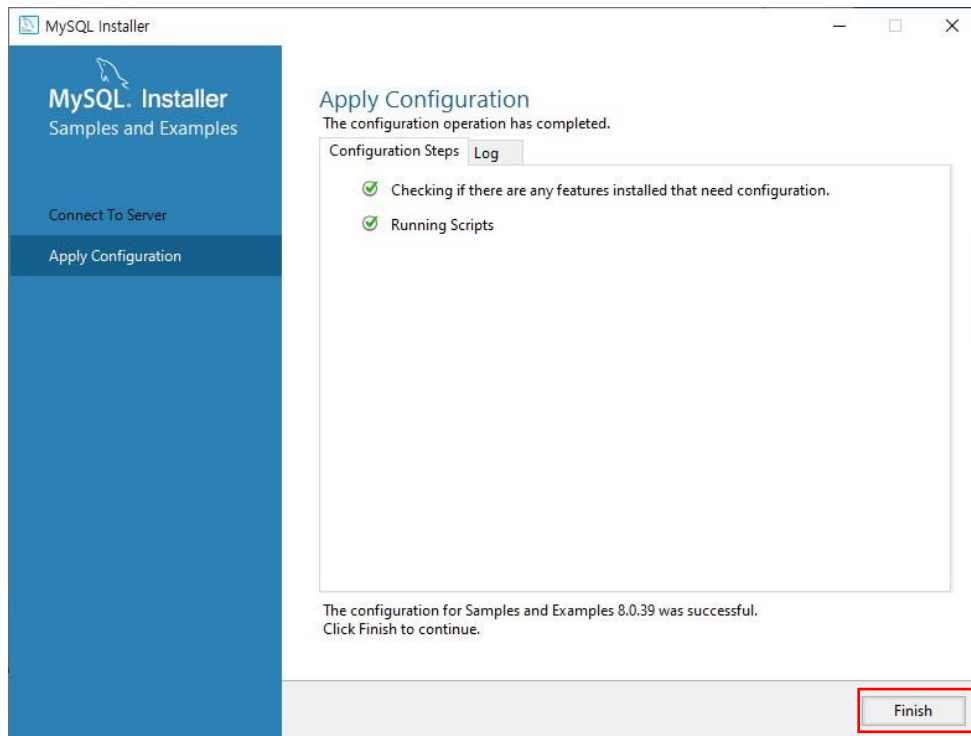


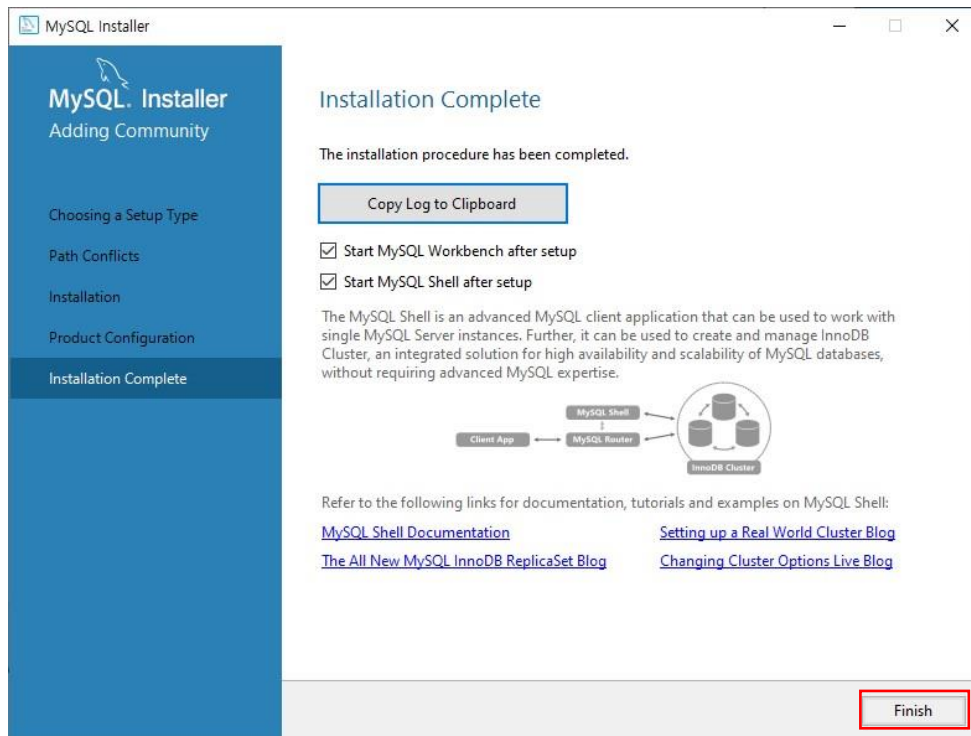




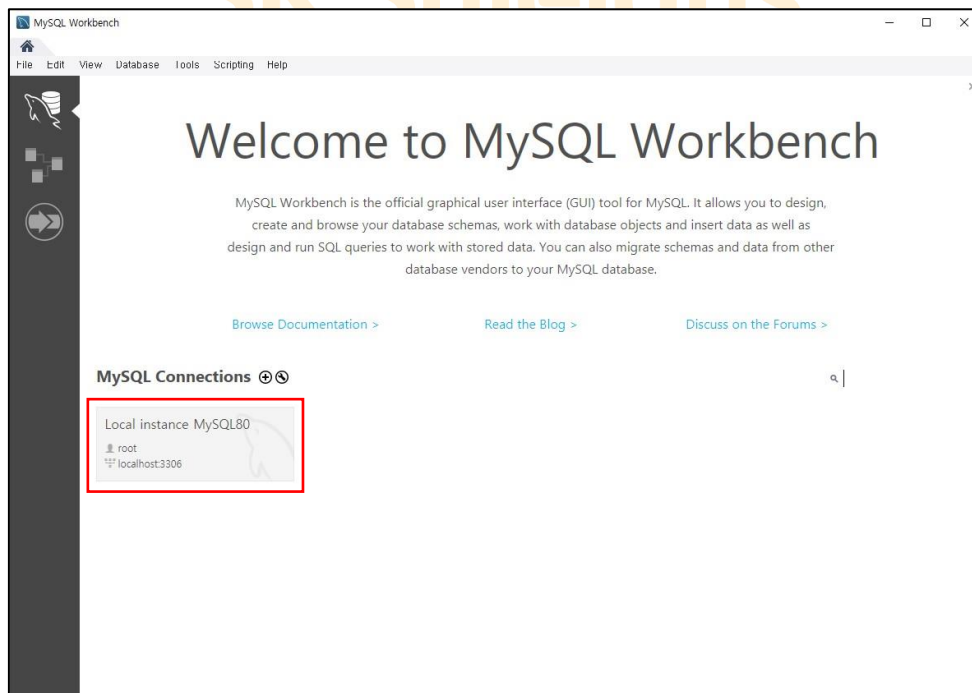
- 아까 설정한 비밀번호를 입력하고 check 를 누른다.

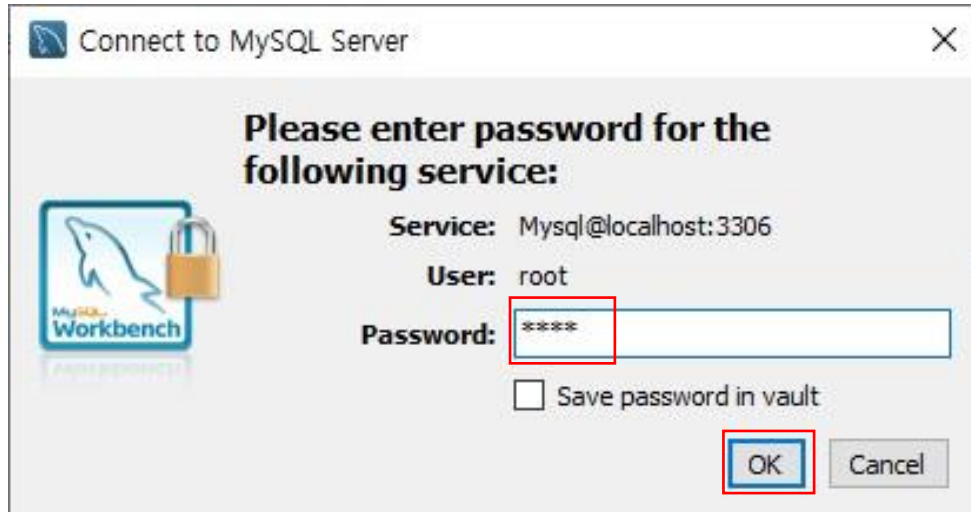






- Mysql workbench 설치가 완료되었다.

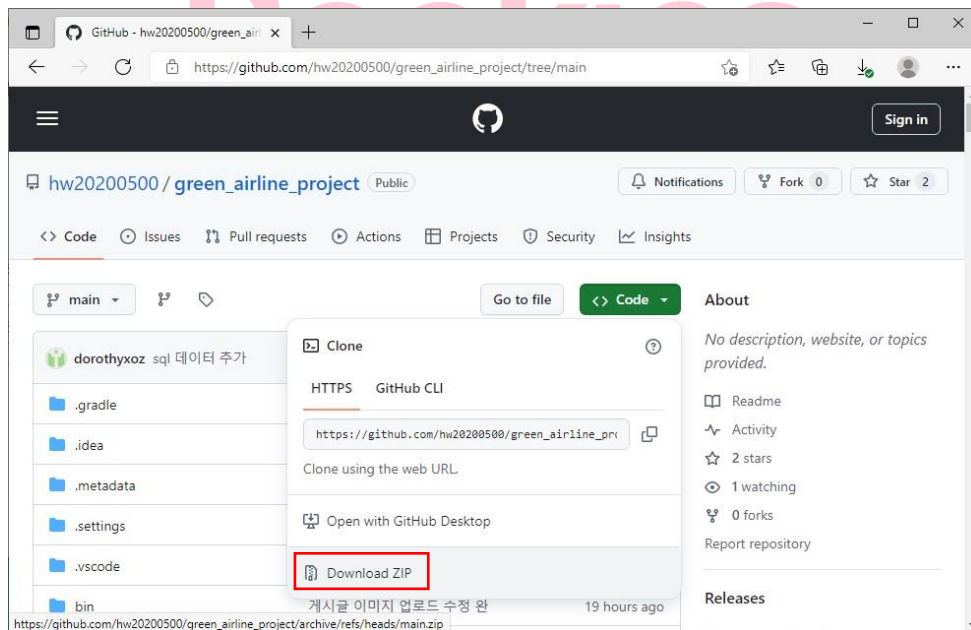




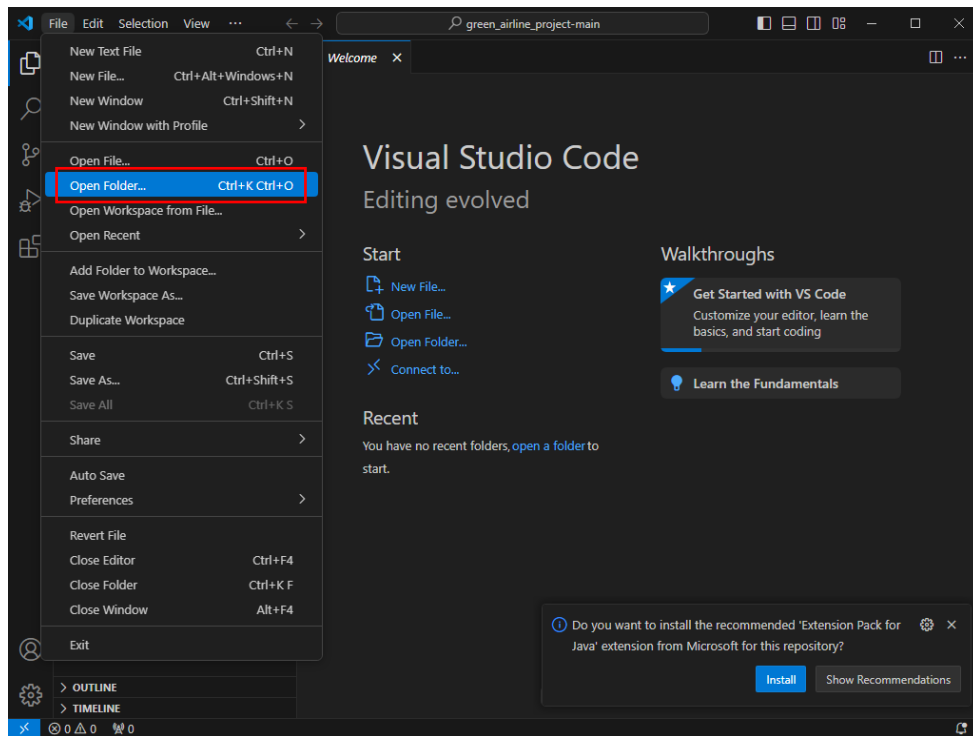
- 방금 만들어둔 mysql 의 localhost:3306 서버에 비밀번호를 입력하고 접속한다.

2. 웹사이트 구축 및 실행

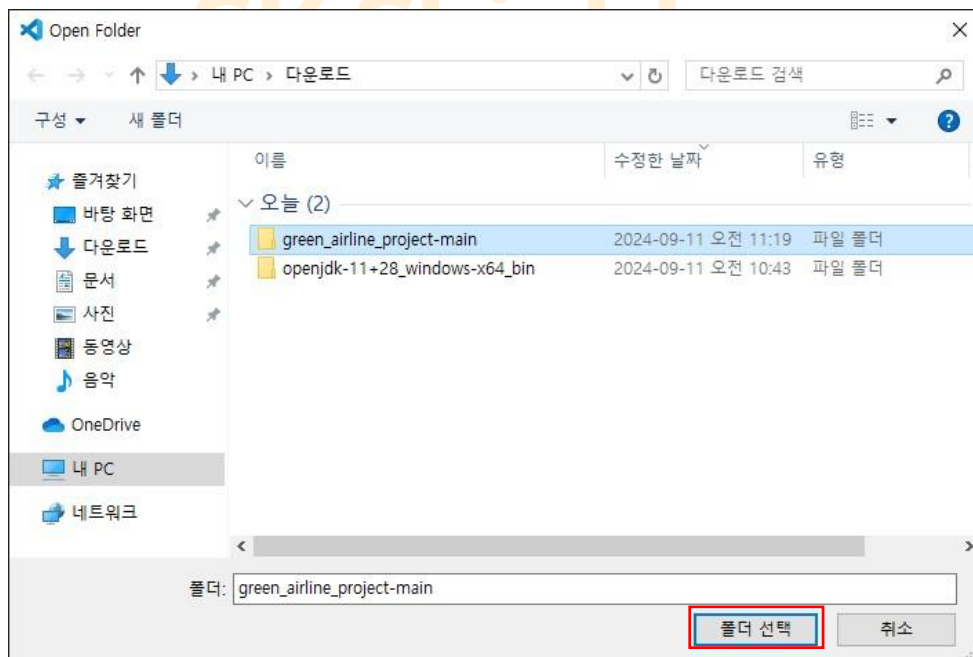
2.1 Git에서 불러오기

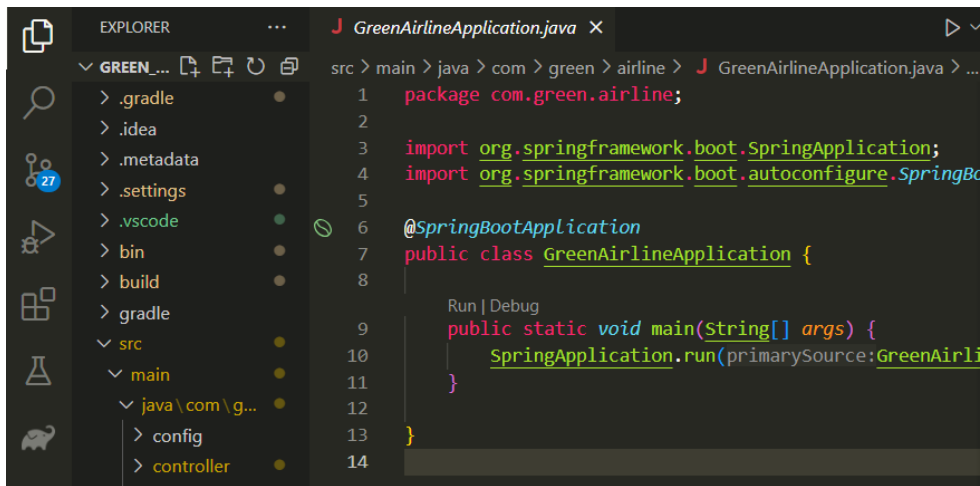


- git에서 green_airline_project 소스코드의 압축폴더를 다운받는다.

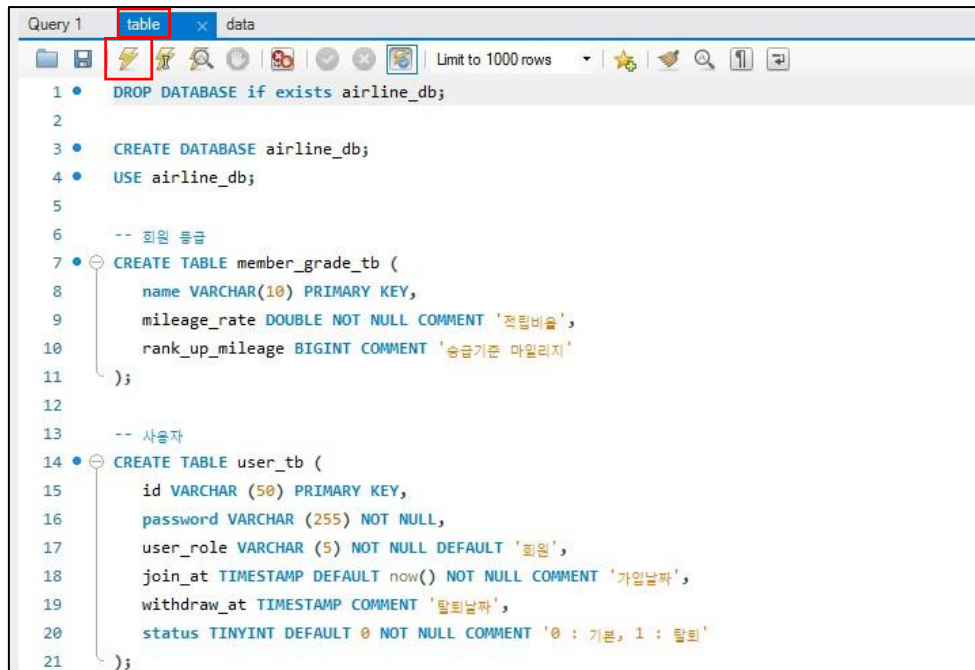


- VScode에서 압축 해제한 폴더를 불러온다.





2.2 MySQL에 테이블, 데이터 및 샘플 데이터 삽입



```

Query 1  table  data
Limit to 1000 rows
1 • INSERT INTO member_grade_tb(name,mileage_rate,rank_up_mileage)
2 VALUES ('Silver',0.0025,null),
3 ('Gold',0.0035,100000),
4 ('Platinum',0.0045,500000),
5 ('Diamond',0.0060,1000000);
6
7
8 • INSERT INTO user_tb
9 VALUES
10 ('abc', '$2a$10$nxanAcpAnZv3qVxuRq0rBuVz.cRLE.1mDgcGhI.SAwf0a54fmCp1e', '회원', '2023-01-01', '2023-01-01'),
11 ('a123', '$2a$10$nxanAcpAnZv3qVxuRq0rBuVz.cRLE.1mDgcGhI.SAwf0a54fmCp1e', '회원', '2023-01-01', '2023-01-01'),
12 ('asdf', '$2a$10$nxanAcpAnZv3qVxuRq0rBuVz.cRLE.1mDgcGhI.SAwf0a54fmCp1e', '관리자', '2023-01-01', '2023-01-01');
13
14
15 • INSERT INTO member_tb
16 VALUES
17 ('abc', '김홍아', 'KIM HONGAH', '2000-01-05', 'F', '010-1111-2222', 'os010312@naver.com', '2023-01-01', '2023-01-01'),
18 ('a123', '홍길동', 'HONG GILDONG', '2000-01-05', 'F', '010-1111-2222', 'os010312@naver.com', '2023-01-01', '2023-01-01');
19
20
21 • INSERT INTO manager_tb

```

- Sql 샘플데이터를 삽입한다.

```

Query 1  table  data
Limit to 1000 rows
1 • INSERT INTO recommend_board_tb
2 (title, user_id, content, view_count, origin_name, file_name)
3 VALUES
4 ('[대만] 타이베이 대만에 또 가고 싶은 이유_삼미식당', 'abc',
5 '<p data-ke-size="size14" style="box-sizing: inherit; font-size: 0.87em; margin-bottom: 28px;>
6 3371, 'Taiwan Taipei.jpeg', '/images/board/TaiwanTaipei.jpeg'),
7 ('[태국] 방콕 위치, 시설 다 좋은 호텔 추천_그랜드 센터 포인트 타이베이21 방콕', 'a123',
8 '<p data-ke-size="size14" style="box-sizing: inherit; font-size: 0.87em; margin-bottom: 28px;>
9 1108, 'Bangkok Thailand.jpeg', '/images/board/BangkokThailand.jpeg'),
10 ('열심히 먹고 온 제주도 여행', 'a123',
11 '<p style="margin-bottom: 1.3em; orphans: 3; widows: 3; transition: all 0.2s ease-in-out 0s;>
12 5742, 'Jeju Island.jpeg', '/images/board/JejuIsland.jpeg'),
13 ('후쿠오카 여행일기', 'abc',
14 '<p style="margin-right: auto; margin-bottom: 28px; margin-left: auto; font-family: "Spoqa I
15 4492, 'Fukuoka.jpeg', '/images/board/Fukuoka.jpeg'),
16 ('홍콩/마카오 3박4일 여행일기', 'abc',
17 '<p data-ke-size="size16" style="margin-bottom: 32px; word-break: break-all; font-size: 0.9;>
18 1011, 'Hong Kong.jpeg', '/images/board/HongKong.jpeg'),
19 ('Singapore의 멋진 사진들...', 'a123',
20 '<div>프로젝트와 함께 여러 일 때문에 2주 후에 싱가포르에 가게 됩니다.<br>생애 첫 해외여행지가 작년 싱가포르였는데 이번
21 885, 'Singapore.jpeg', '/images/board/Singapore.jpeg'),

```

- 게시글 샘플데이터를 삽입한다.

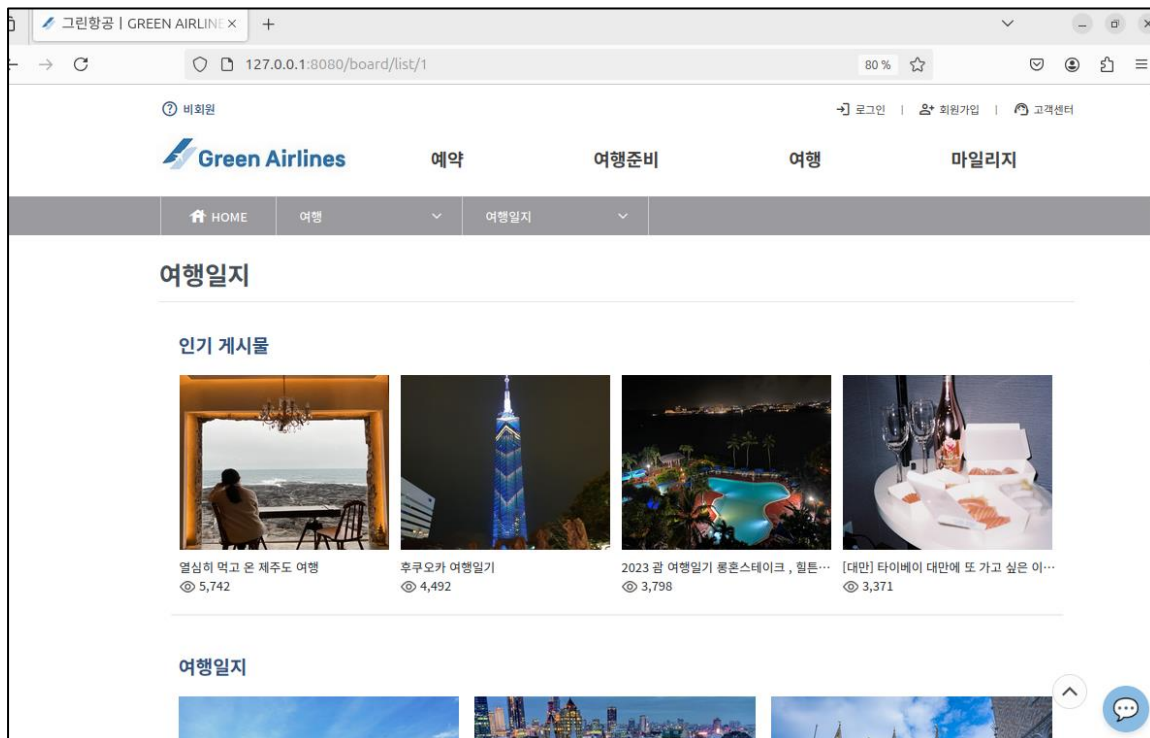
```

Query 1  table  data  SQL File 3* x
Limit to 1000 rows
1  -- 추천여행지 샘플 데이터
2  • INSERT INTO recommend_board_tb
3    (title, user_id, content, view_count, origin_name, file_name)
4    VALUES
5    ('싱가포르의 이국적인 거리들', 'abc',
6     '<div class="cabin_visual" style="margin-bottom: 30px; letter-spacing: -0.02em; color: r
7     3297, 'singapore.png', '/images/board/plus/singapore.png'),
8
9    ('노스쇼어(North shore)를 떠나는 하루, 하와이', 'a123',
10    '<div class="cabin_visual" style="margin-bottom: 30px; letter-spacing: -0.02em; color: rgb(
11    2440, 'hawaii.png', '/images/board/plus/hawaii.png'),
12
13    ('전숙한 듯 낯선 그 신비로운 매력 속으로, 이스탄불', 'a123',
14    '<div class="cabin_visual" style="margin-bottom: 30px; letter-spacing: -0.02em; color: rgb(
15    1806, 'istanbul.png', '/images/board/plus/istanbul.png'),
16
17    ('로마의 음식 식당', 'abc',
18    '<div class="cabin_visual" style="margin-bottom: 30px; letter-spacing: -0.02em; color: rgb(
19    1584, 'rome.png', '/images/board/plus/rome.png'),
20
21    ('로맨틱 뉴욕', 'abc',

```

2.3 웹사이트 구축 완료 확인

- 웹사이트에 데이터가 삽입됐는지 확인한다.



3. 챗봇 서버 구축 및 실행

3.1 필요한 라이브러리 설치

```
app.py > ...
1  import os
2  import subprocess
3
4  import pymysql
5  from flask import Flask, jsonify, render_template, render_template_string,
6  from flask_cors import CORS # 추가된 부분
7
8  app = Flask(__name__)
9  CORS(app, supports_credentials=True) # CORS 설정
10
11
```

```
PS C:\Users\r2com\Downloads\green_airline_project> pip install pymysql
Collecting pymysql
  Using cached PyMySQL-1.1.1-py3-none-any.whl.metadata (4.4 kB)
Using cached PyMySQL-1.1.1-py3-none-any.whl (44 kB)
Installing collected packages: pymysql
Successfully installed pymysql-1.1.1
```

```
PS C:\Users\r2com\Downloads\green_airline_project> pip install flask
Requirement already satisfied: flask in d:\myprogram\anaconda\lib\site-packages (3.0.3)
Requirement already satisfied: Werkzeug>=3.0.0 in d:\myprogram\anaconda\lib\site-packages (from flask) (3.0.3)
Requirement already satisfied: Jinja2>=3.1.2 in d:\myprogram\anaconda\lib\site-packages (from flask) (3.1.4)
Requirement already satisfied: itsdangerous>=2.1.2 in d:\myprogram\anaconda\lib\site-packages (from flask) (2.2.0)
Requirement already satisfied: click>=8.1.3 in d:\myprogram\anaconda\lib\site-packages (from flask) (1.6.2)
Requirement already satisfied: colorama in d:\myprogram\anaconda\lib\site-packages (from click>=8.1.3->flask) (0.4.6)
Requirement already satisfied: MarkupSafe>=2.0 in d:\myprogram\anaconda\lib\site-packages (from Jinja2>=3.1.2->flask) (2.1.3)
```

```

PS C:\Users\r2com\Downloads\green_airline_project> pip install flask_cors
Requirement already satisfied: flask_cors in d:\myprogram\anaconda\lib\
site-packages (5.0.0)
Requirement already satisfied: Flask>=0.9 in d:\myprogram\anaconda\lib\
site-packages (from flask_cors) (3.0.3)
Requirement already satisfied: Werkzeug>=3.0.0 in d:\myprogram\anaconda
\lib\site-packages (from Flask>=0.9->flask_cors) (3.0.3)
Requirement already satisfied: Jinja2>=3.1.2 in d:\myprogram\anaconda\l
ib\site-packages (from Flask>=0.9->flask_cors) (3.1.4)
Requirement already satisfied: itsdangerous>=2.1.2 in d:\myprogram\anac
onda\lib\site-packages (from Flask>=0.9->flask_cors) (2.2.0)
Requirement already satisfied: blinker>=1.6.2 in d:\myprogram\anaconda\lib\site-packages
(from Flask>=0.9->flask_cors) (1.6.2)
Requirement already satisfied: colorama in d:\myprogram\anaconda\lib\site-packages (from
click>=8.1.3->Flask>=0.9->flask_cors) (0.4.6)
Requirement already satisfied: MarkupSafe>=2.0 in d:\myprogram\anaconda\lib\site-packages
(from Jinja2>=3.1.2->Flask>=0.9->flask_cors) (2.1.3)PS C:\Users\r2com\Downloads\green_ai
rline_project>

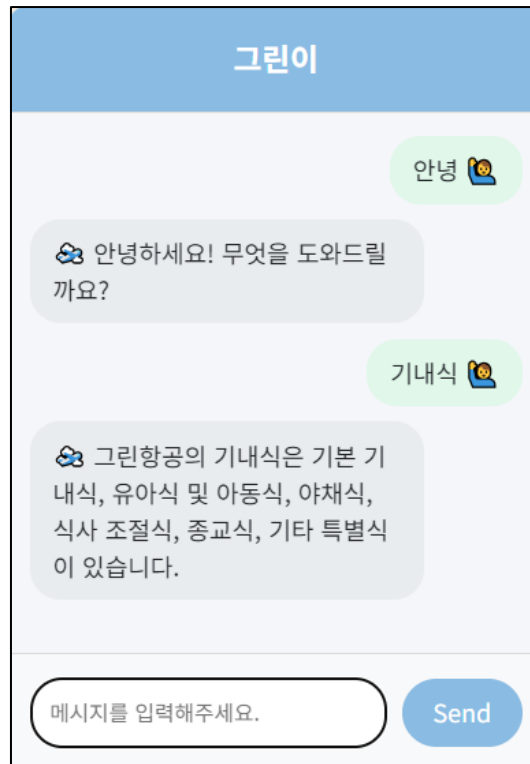
```

3.2 챗봇 실행

```

PS C:\Users\r2com\Downloads\green_airline_project> &
D:/Myprogram/anaconda/python.exe c:/Users/r2com/Do
wnloads/green_airline_project/app.py
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use i
t in a production deployment. Use a production WSGI
server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with watchdog (windowsapi)
* Debugger is active!
* Debugger PIN: 342-471-768

```

- 챗봇이 정상적으로 작동하는 것을 확인할 수 있다.

SK Shieldus Rookies