환경설정 – Windows

2012학년도 2학기
웹프로그래밍
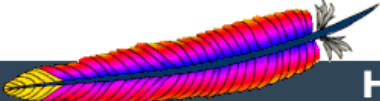
Index

- Apache httpd 설치|
- JDK설치|
- Tomcat 설치|
- MySQL 설치|
- Editor 설치|
  - Sublime Editor

Apache Http Server 다운로드

- http://httpd.apache.org/

Apache Http Server 설치

Apache Http Server 설치 (Cont.)

Apache Http Server 설치 (Cont.)

- 설치 디렉터리 지정 -> next 클릭
  - C:₩Program Files₩Apache Software Foundation (default)

Directory 따로 지정 가능
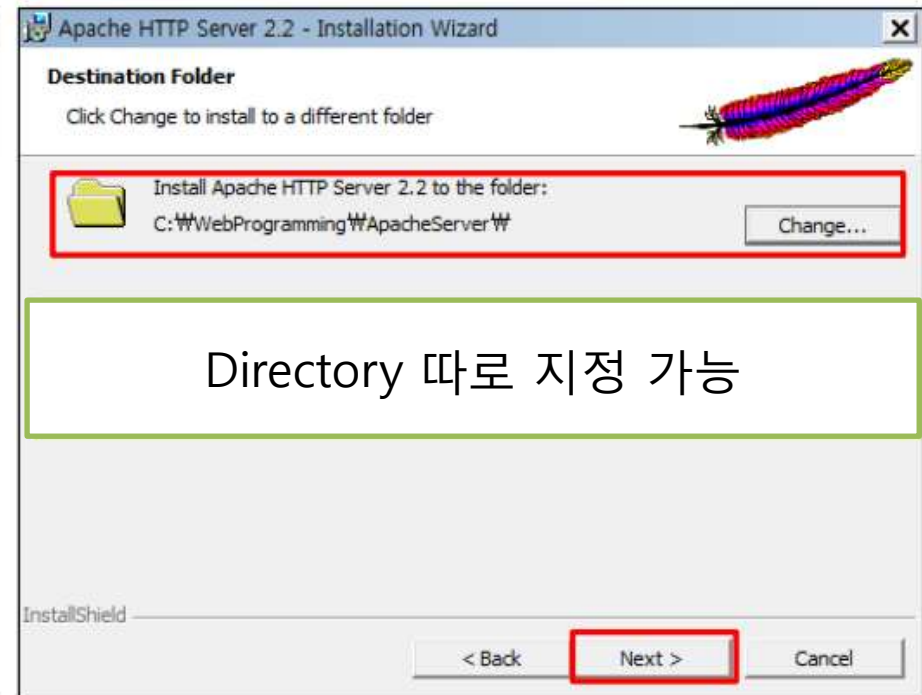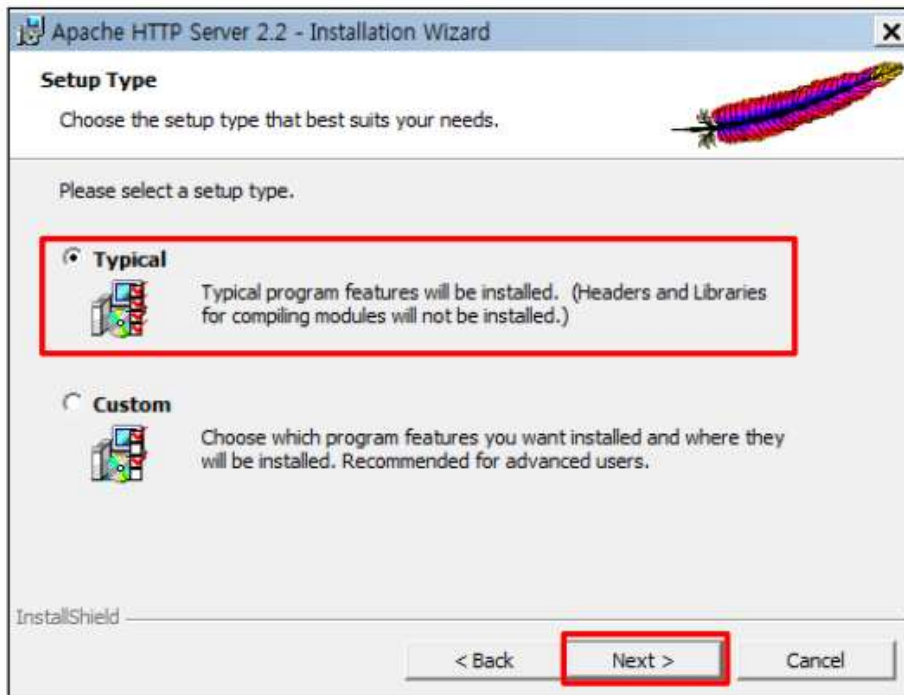
Apache Http Server 설치 (Cont.)
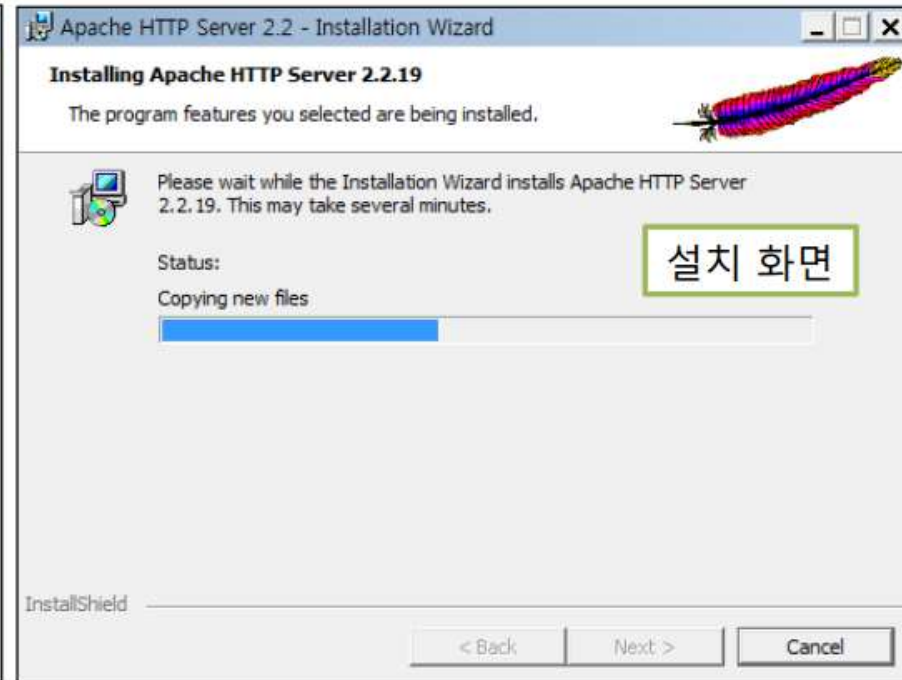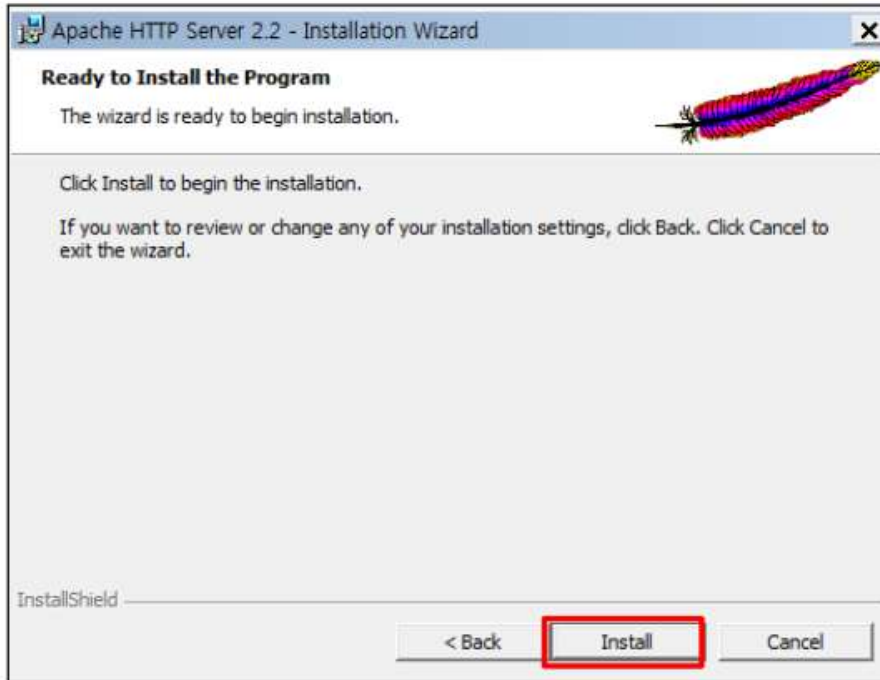
Apache Http Server 설치 (Cont.)
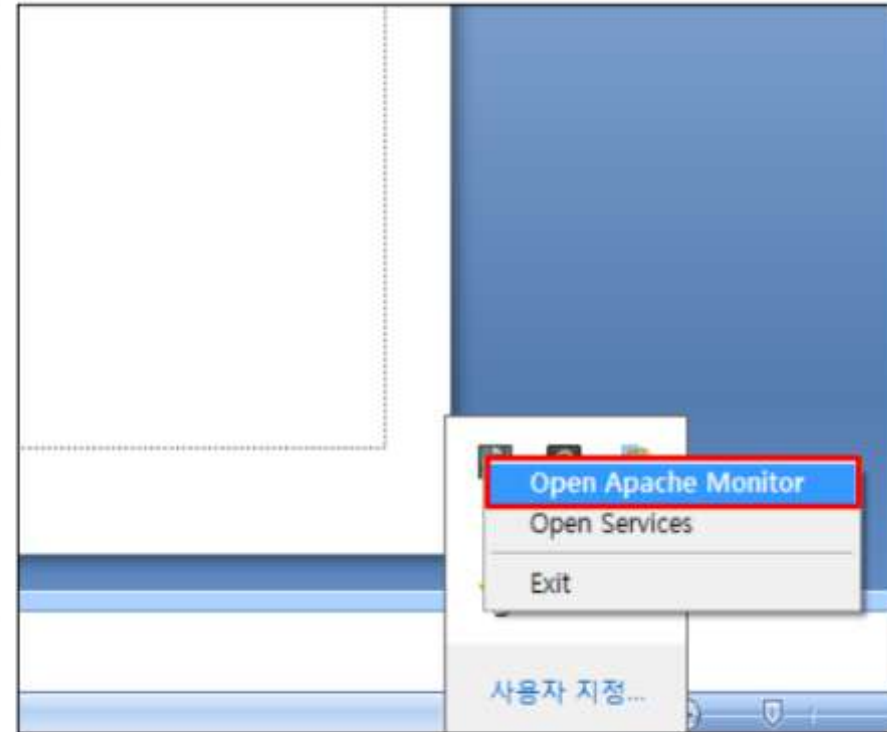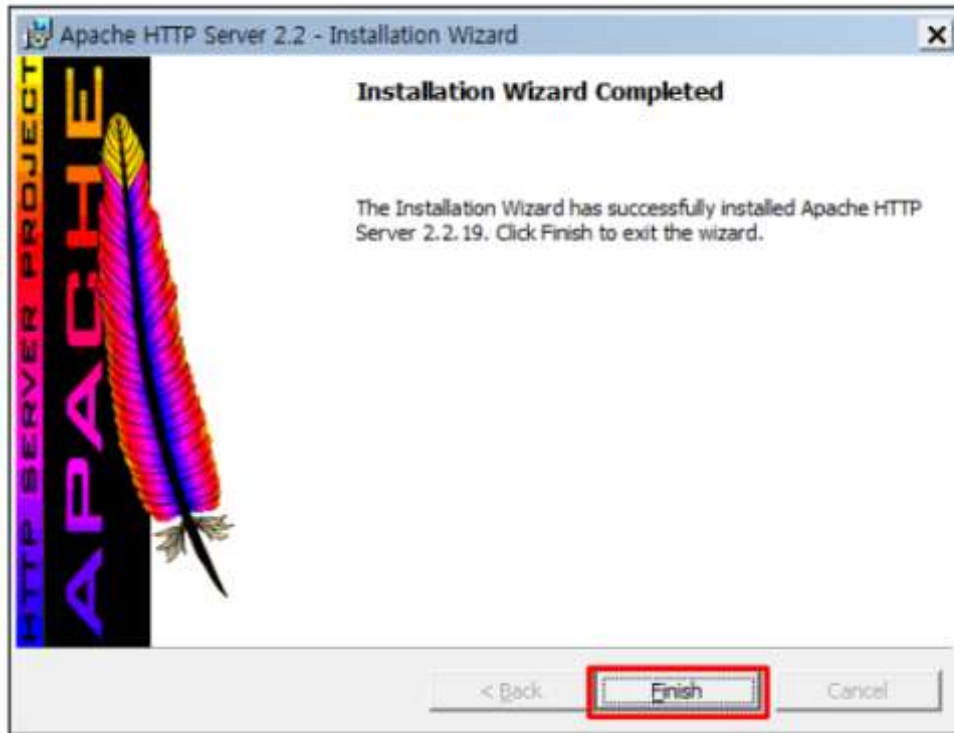
아파치 트래이 아이콘 오른쪽 버튼 클릭

Apache Http Server 설치 (Cont.)

- Apache Service Monitor 창에 서 Apache HTTP Server 시작/종료 설정

- 주소 창에 ttp://localhost/ 를 입력 다음과 같은 화면 이 뜨면 설치 완료
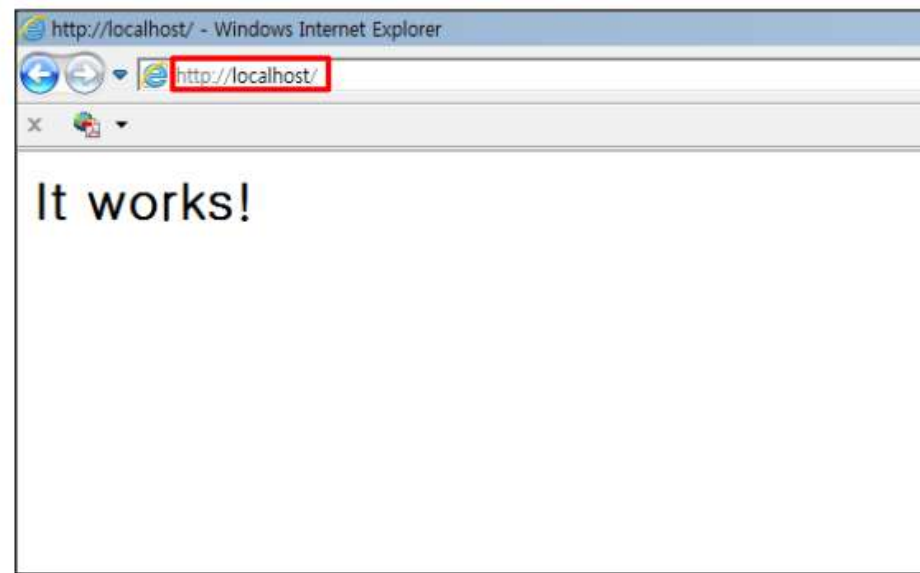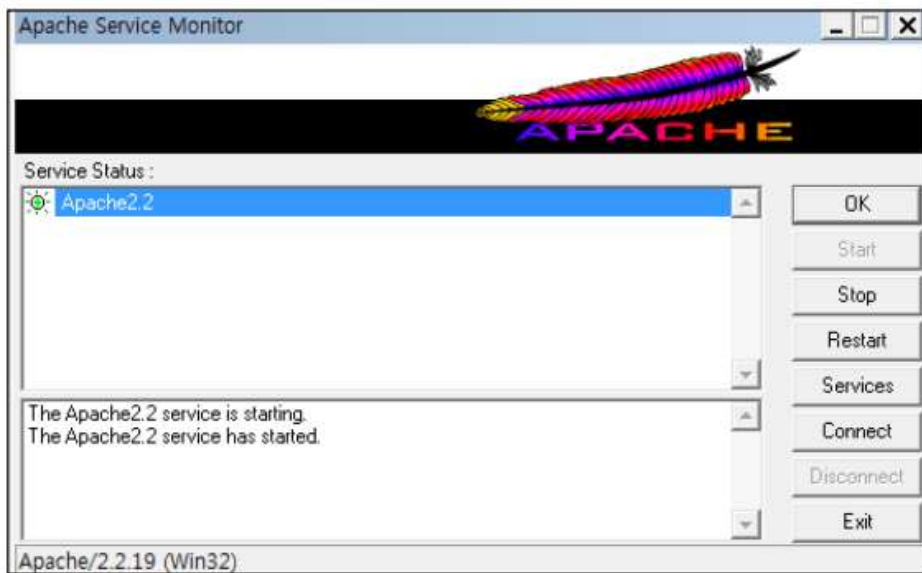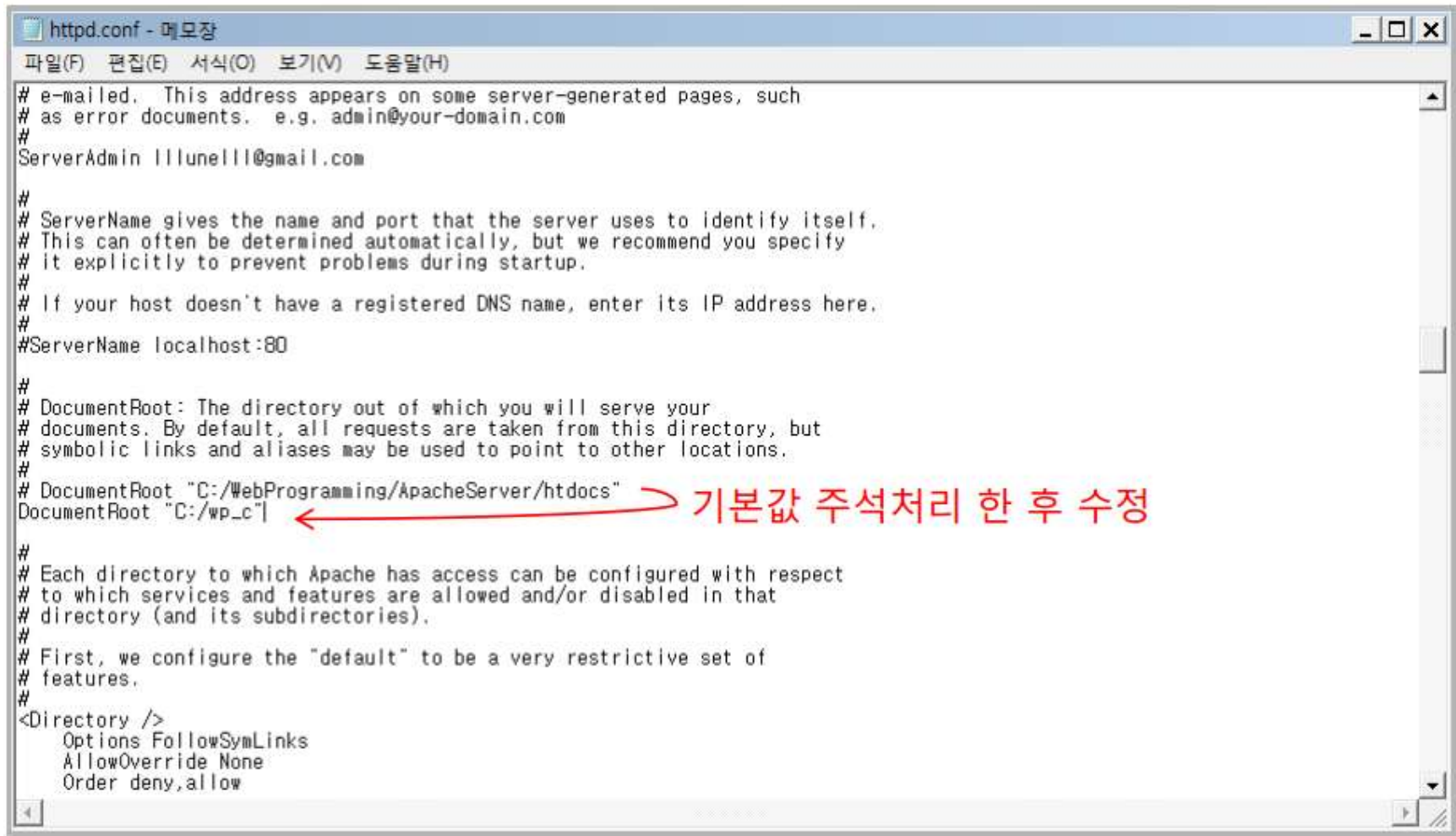
Document Root 변경

- 시작->프로그램->Apache HTTP Server 2.2-> Configuration
- Apache Server -> Edit Apache httpd.conf... 클릭

Document Root 변경 (Cont.)

- DocumentRoot 경로를 원하는 경로로 변경 (176줄)

Document Root 변경 (Cont.)

- <Directory "C:/Program Files ...">를 원하는 경로로 변경 (DocumentRoot 와 같은 경로)

Document Root 변경 (Cont.)

- 저장
- 아파치 재시작
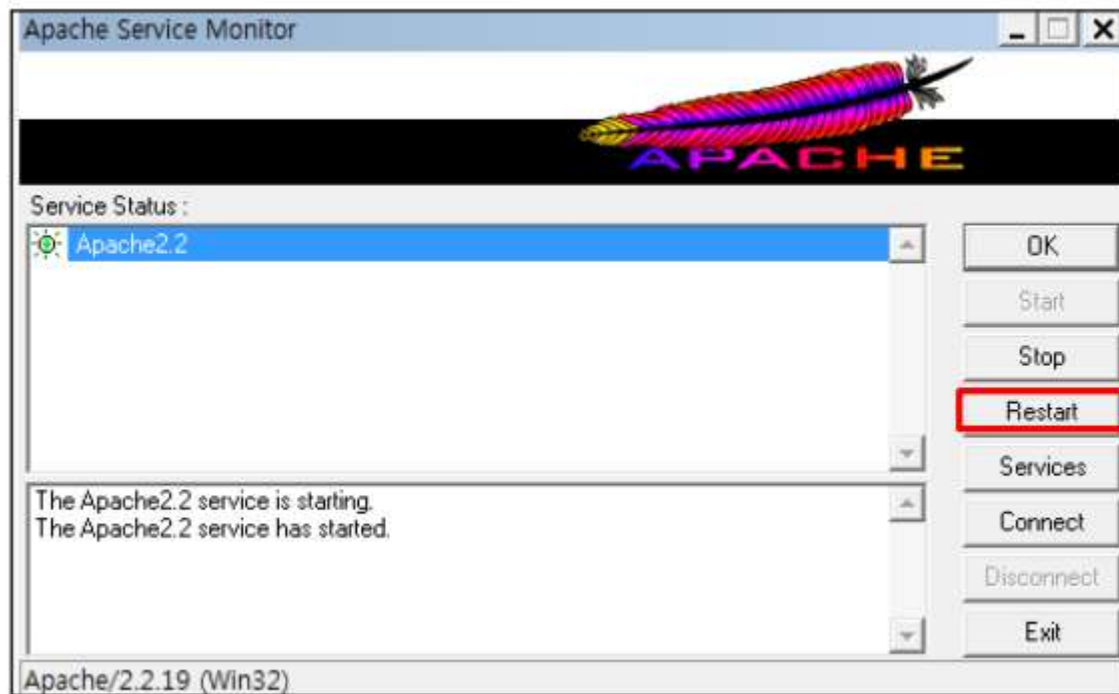
JDK설치

JDK version 확인

- 명령 프롬프트 창에서 "java –version" 입력

```
C:\Users\SIYEON>java -version
java version "1.7.0_03"
Java(TM) SE Runtime Environment (build 1.7.0_03-b05)
Java HotSpot(TM) 64-Bit Server VM (build 22.1-b02, mixed mode)
```

JDK 다운로드

- Oracle 사이트 (http://www.oracle.com) 에서 Downloads
  탭 아래 Java for Developers 클릭

JDK 다운로드 (Cont.)

- Java Platform (JDK) 7u7 Download

JDK 다운로드 (Cont.)

- Windows 환경에 맞는 파일 다운로드

TOMCAT 설치

Tomcat 다운로드

- http://tomcat.apache.org/ 에서 Tomcat 7.0 다운로드 선택

Tomcat 다운로드 (Cont.)

- 32bit/64bit windows Service Installer 다운로드

Tomcat 설치

- apache-tomcat-7.0.12.exe 실행

Tomcat 설치 (Cont.)

계정 생성

Tomcat 설치 (Cont.)

JAVA(jdk) 설치 경로 확인
(e.g. C:₩Program Files₩Java₩jdk1.x.xxx₩)
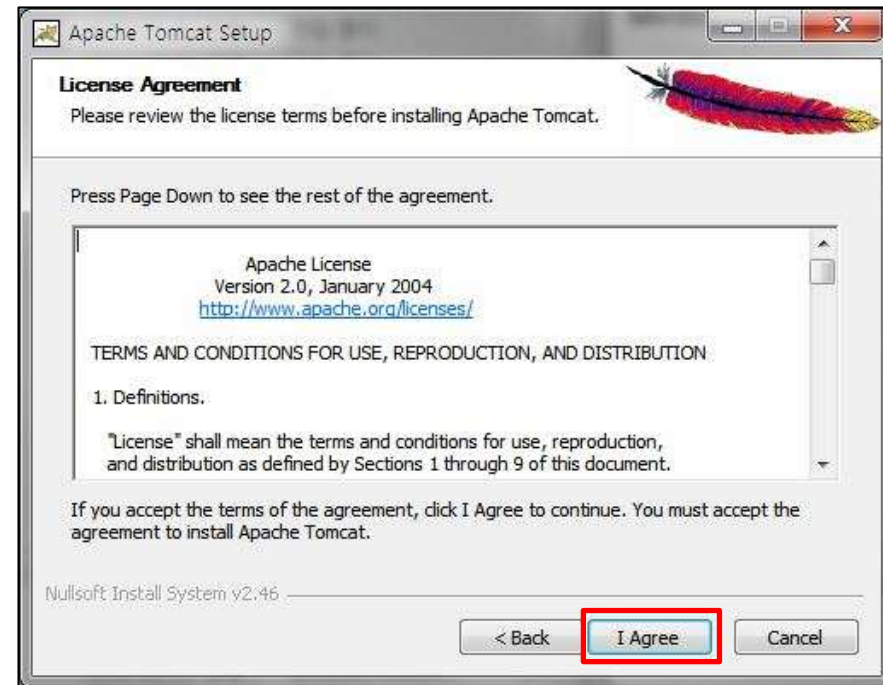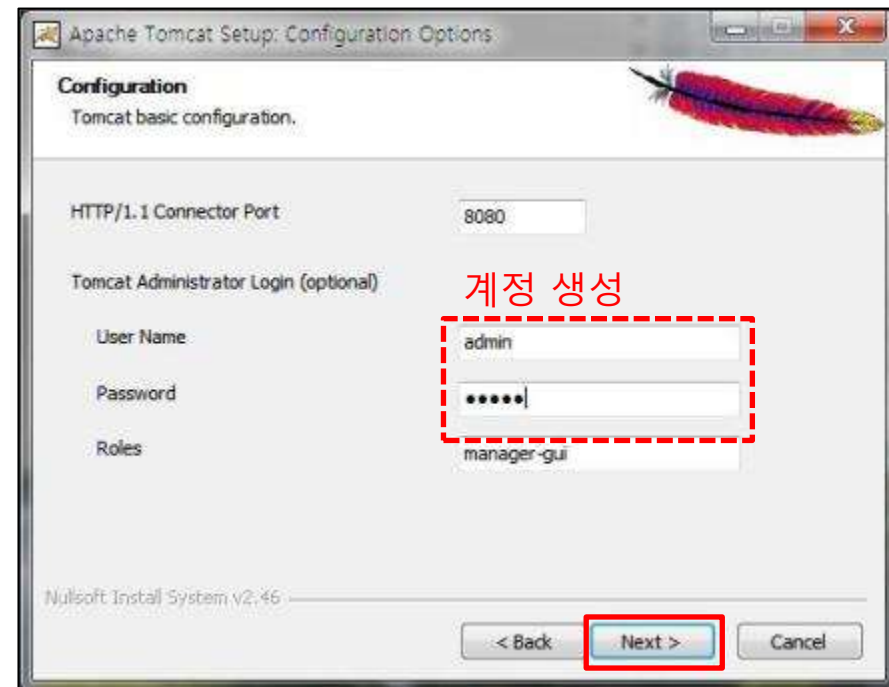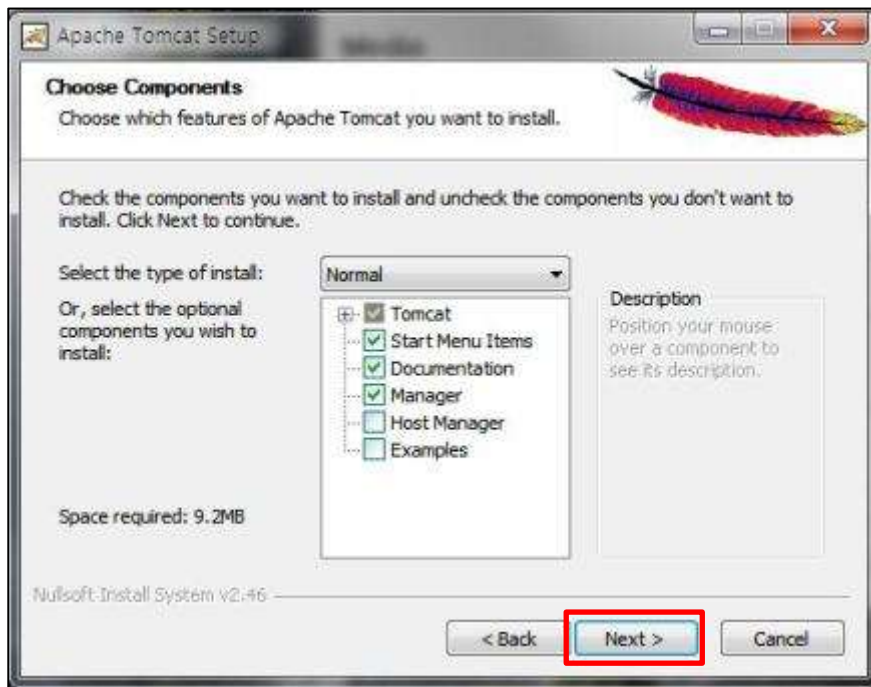
Tomcat 설치 (Cont.)
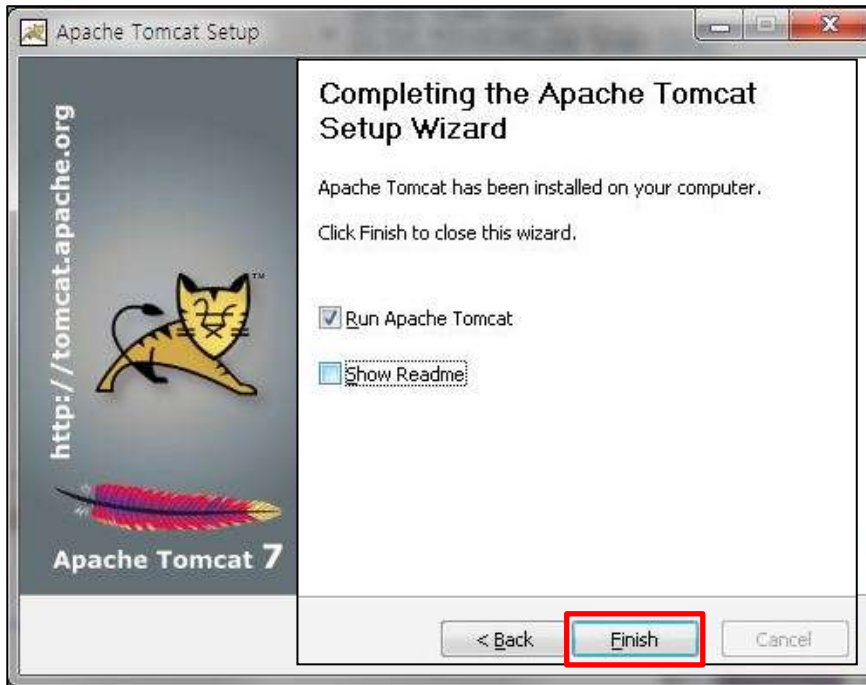
Tomcat 설치 (Cont.)

- 설치 확인
  - 작업 표시줄 Tray Icon 확인

  - http://localhost:8080 확인
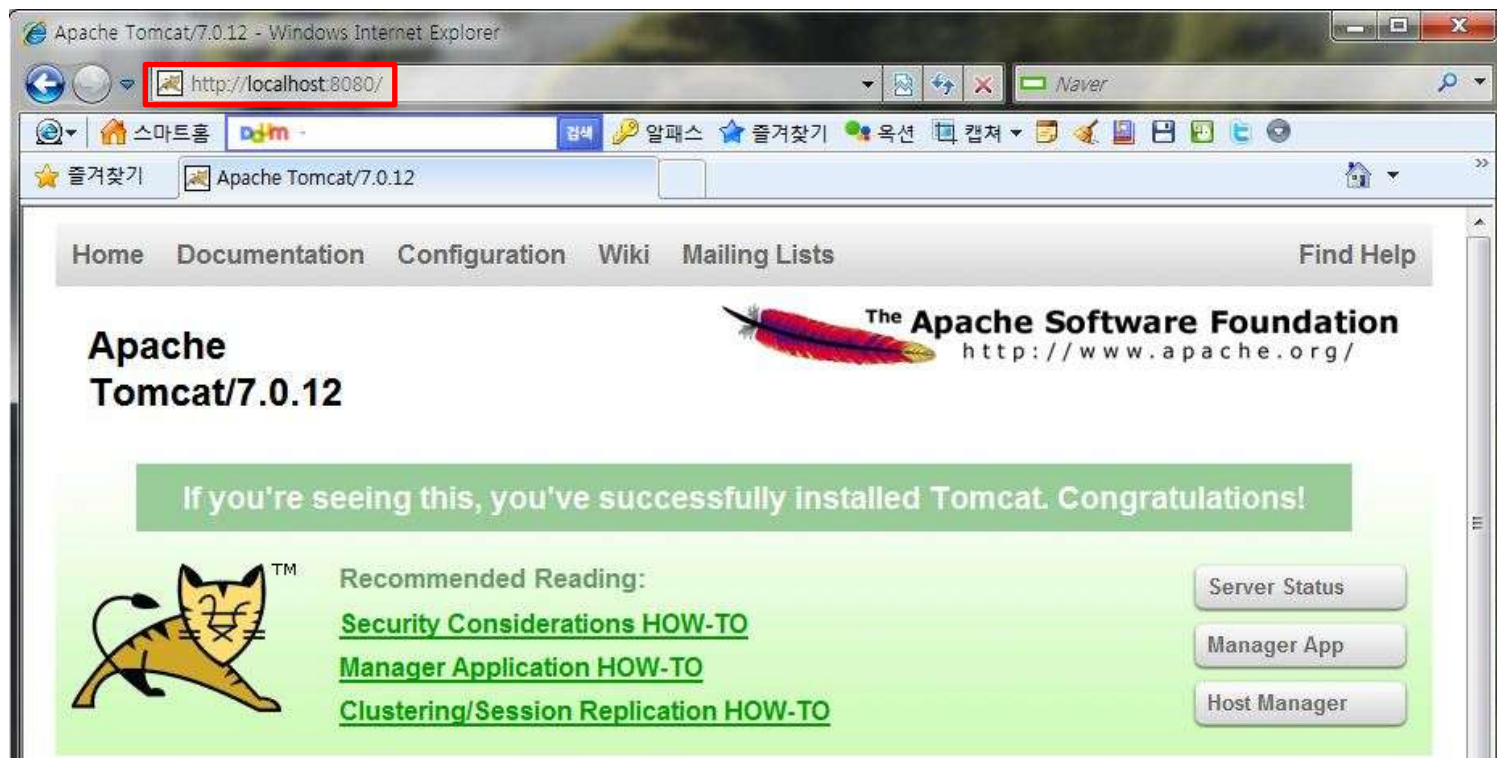
MYSQL 설치

MySQL이란?

- MySQL은 다중 스레드, 다중 사용자 형식의 구조 질의어 형식의 데이터베이스 관리 시스템이다. 응용프로그램에서 MySQL 데이터베이스에 접근하기 위해 다수의 프로그래밍 언어로 된 API를 사용할 수 있다.

- 또한 MySQL은 공식적으로 C/C++, JAVA, 파이썬, 루비, perl, PHP등의 프로그래밍 언어를 지원하며 MySQL은 미디어위키와 드루팔 같은 인기 있는 웹 응용프로그램에서도 사용된다.

MySQL Download

- http://www.mysql.com/ 접속 후 Downloads(GA) 탭 선택

- MySQL Community Server Download 선택

MySQL Download

- Windows (x86, 32-bit 또는 64-bit), MSI Installer를 Download

MySQL Download

- » No thanks, just take me to the downloads! 선택

Begin Your Download - mysql-5.5.27-winx64.msi

Please take the time to let us know about you.

If this is the first time you have downloaded from us, you will be sent a password to enable you to log into all of the MySQL web sites, including forums and bugs.

If you already have a MySQL.com account, save time by logging in now.

Returning Users	**New Users**
Save time by logging in	Proceed with registration
Email:	
Password:	
Forgot your password?	
Login	Proceed

» No thanks, just start my download!

MySQL Download

- Mirror site 선택 후 다운로드 진행

MySQL 설치

- 설치파일 실행
  - next 선택

MySQL 설치

- I accept the terms in the License Agreement 선택 후 Next
- Typical 선택
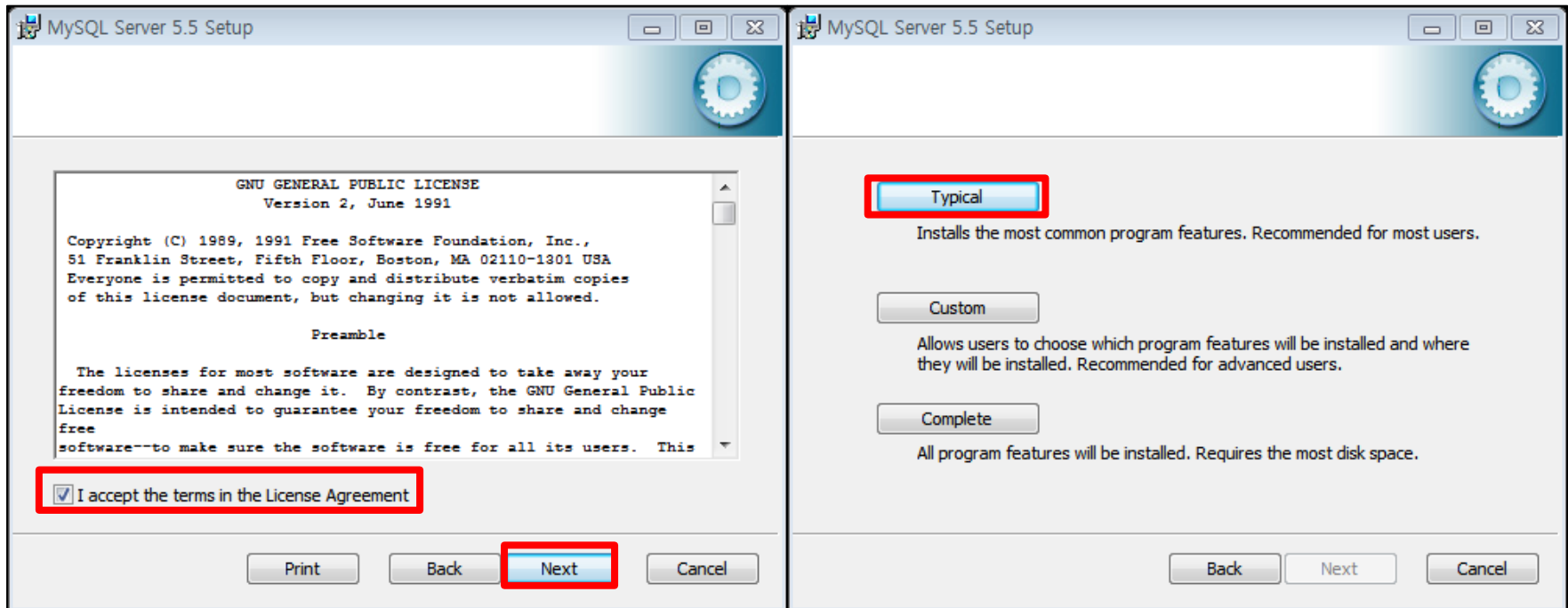
MySQL 설치
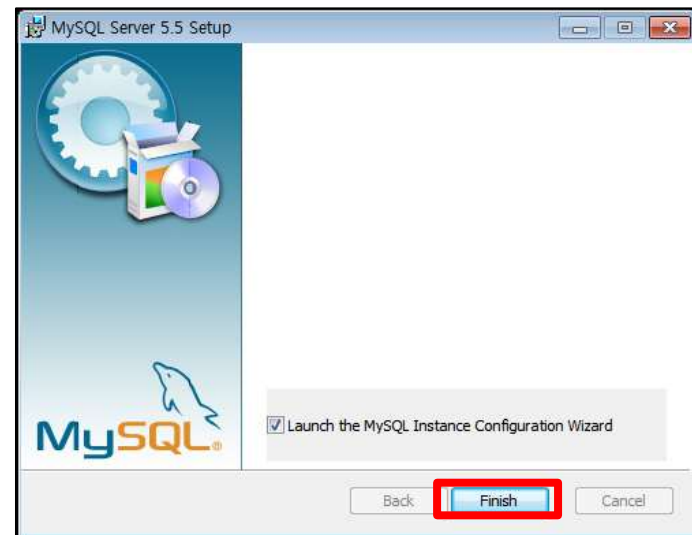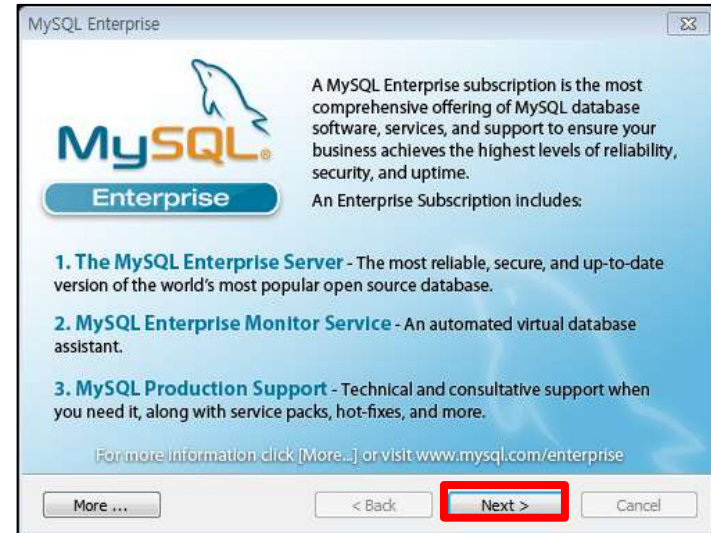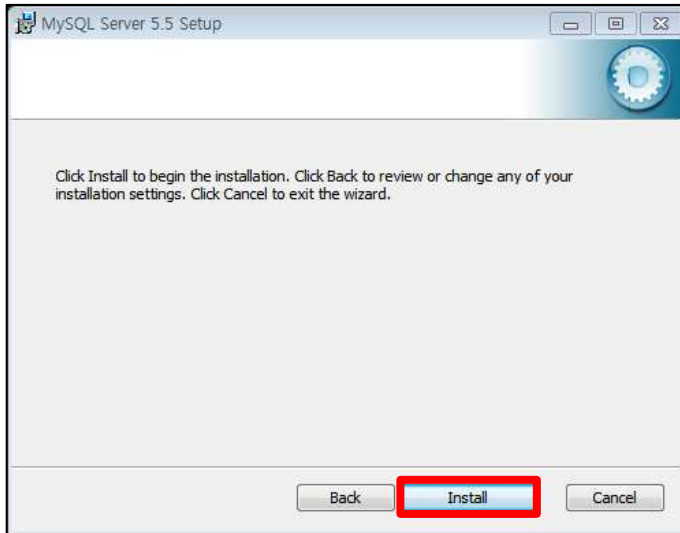
MySQL 설치
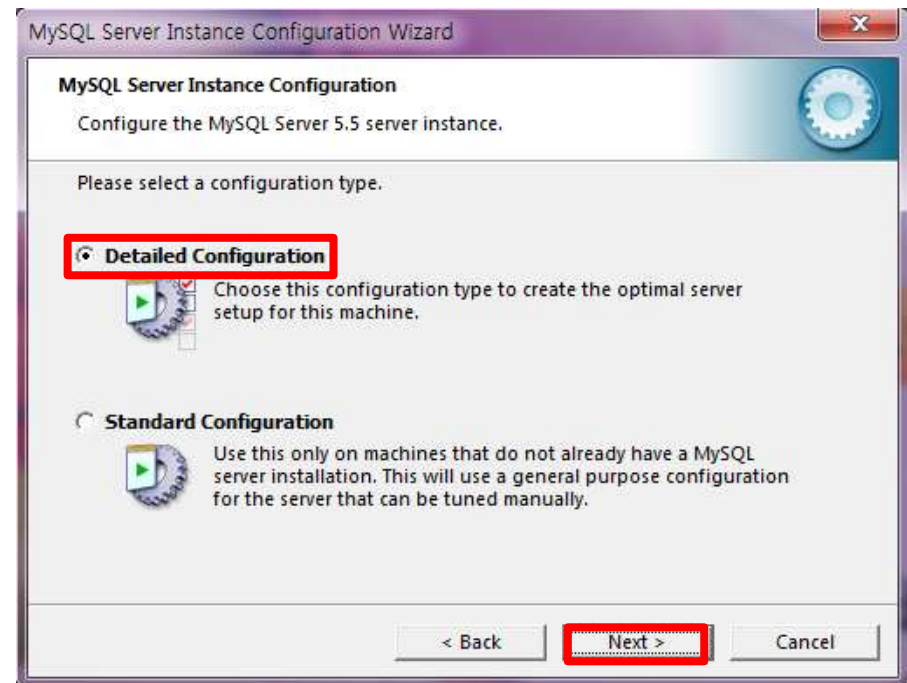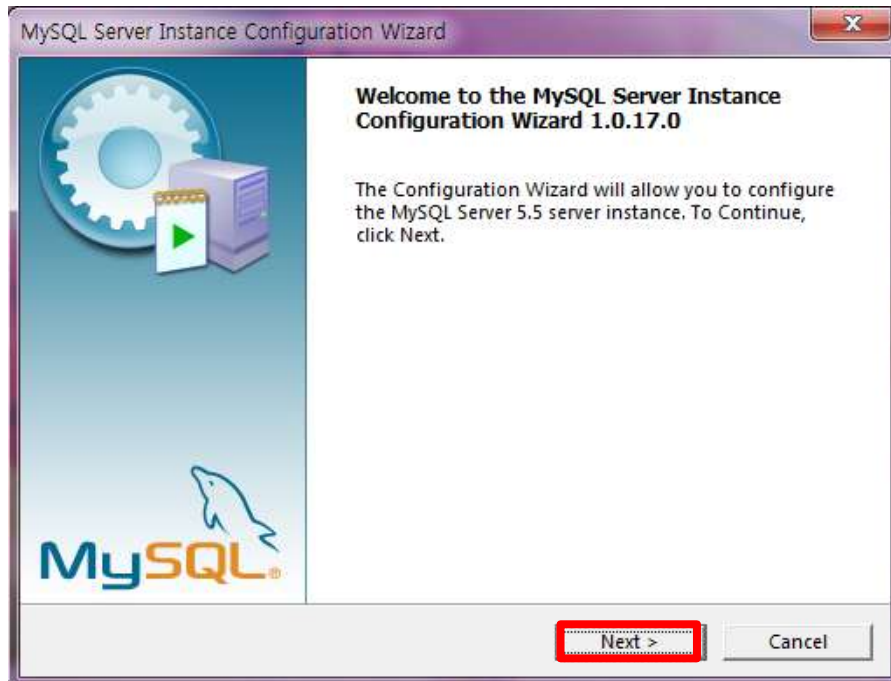
MySQL 설치
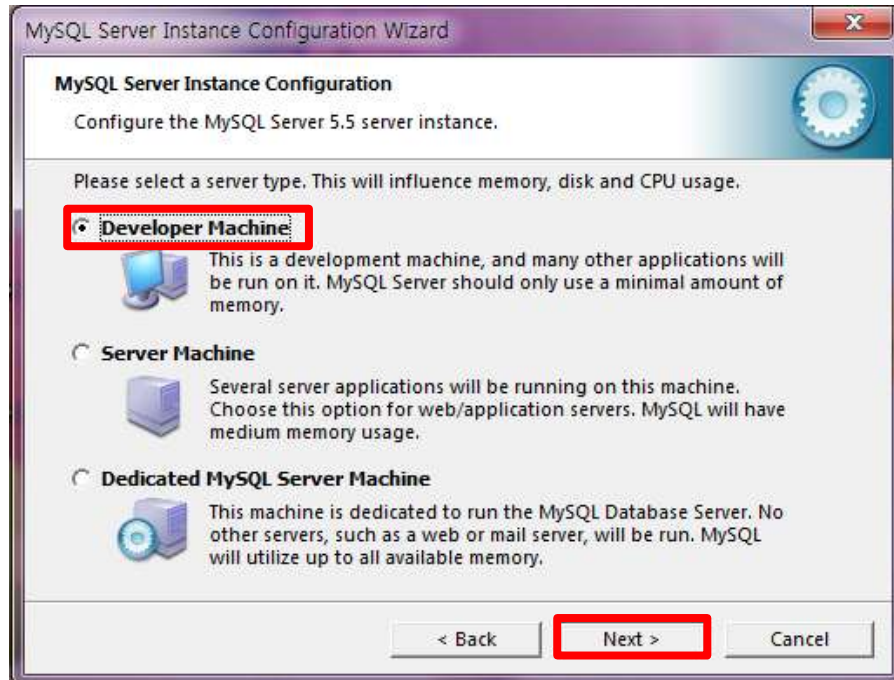
- Developer Machine
  - MySQL 개인적으로 사용을 할 때,
    최소한의 resource만을 사용하도록 구성.

- Server Machine
  - 여러 다른 서버 어플리케이션과 MySQL을 사용할 때,
    중간 정도의 resource를 사용하도록 구성.

- Dedicated MySQL Server Machine
  - 오직 MySQL 서버만을 사용할 때,
    시스템의 전체 자원을 사용하도록 구성.

MySQL 설치

- MySQL Storage Engine
  - InnoDB
    - Transaction 처리가 필요하고 높은 성능을 요구하는 대용량 대용량 사이트에서 사용시 효율적.
    - 따라서, 데이터의 변경이 많은 업무에 효과적.

  - MyISAM
    - 주로 DB 조회(read) 작업이 많은 소규모 사이트인 경우에 효율적.
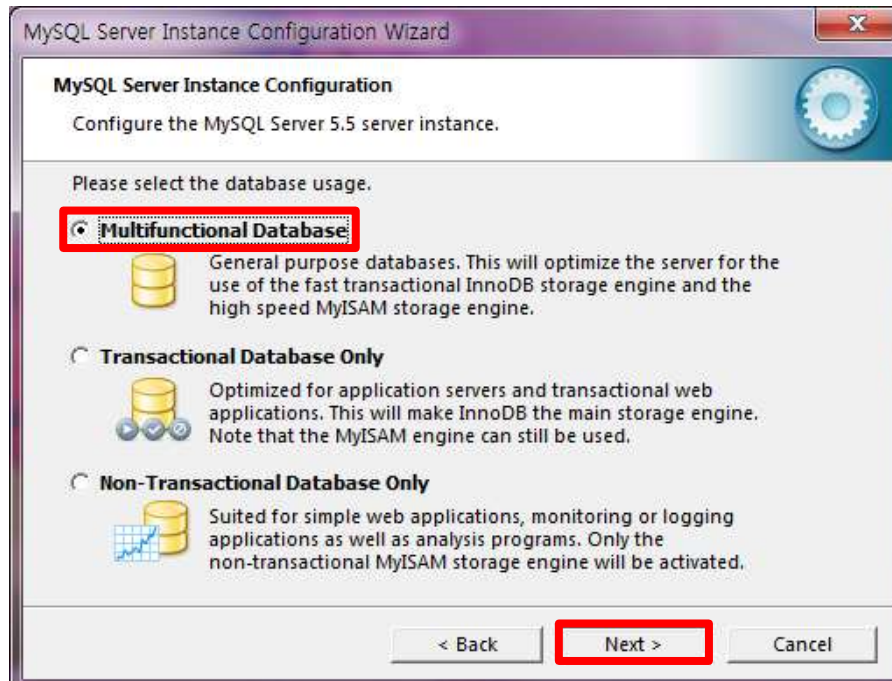
- Multifunctional Database
  - InnoDB와 MyISAM storage engine을 균등하게 사용.

- Transactional Database Only
  - InnoDB에 대부분의 자원을 할당하며, MyISAM을 최소한으로 사용.

- Non-Transactional Database Only
  - MyISAM만을 사용.

MySQL 설치
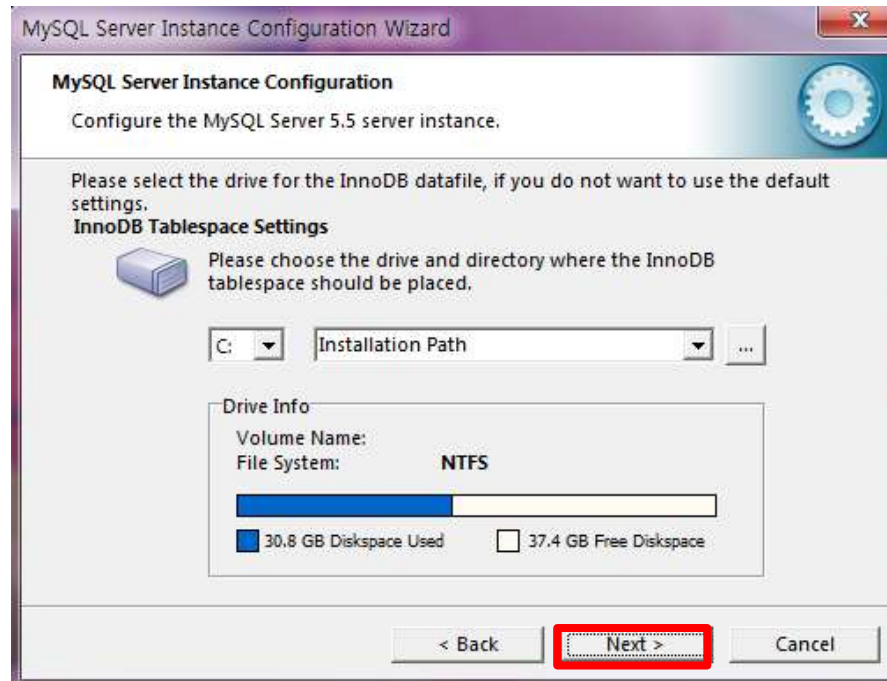
MySQL 설치
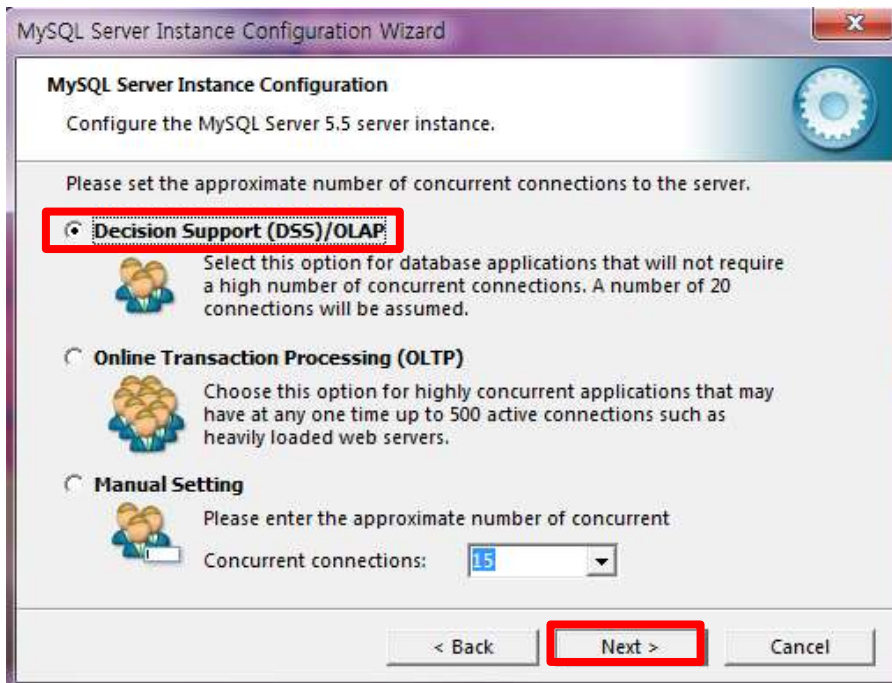
- Decision Support (DSS)/OLAP
  - 소수의 동시 접속을 사용할 경우.
    동시 접속은 평균 20, 최대 100까지 가능.

- Online Transaction Processing (OLTP)
  - 다수의 동시 접속을 사용할 경우.
    동시 접속은 최대 500까지 가능

- Manual Setting
  - 수동으로 동시 접속 최대를 설정할 경우.

MySQL 설치

- Port : 3306(MySQL 기본 포트번호)
- Manual Selected Default Character Set / Collation에서 utf8 선택
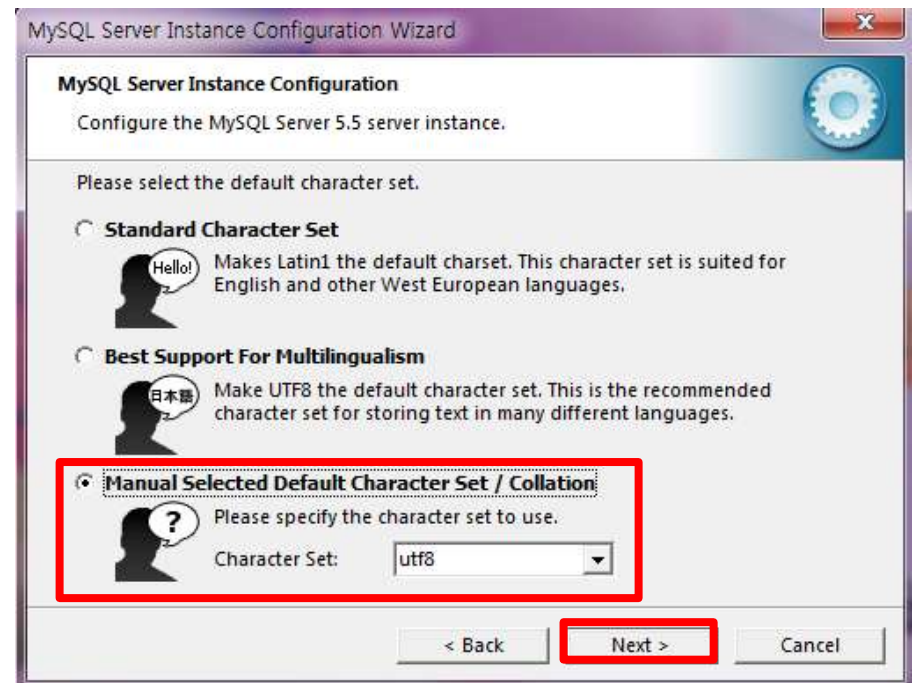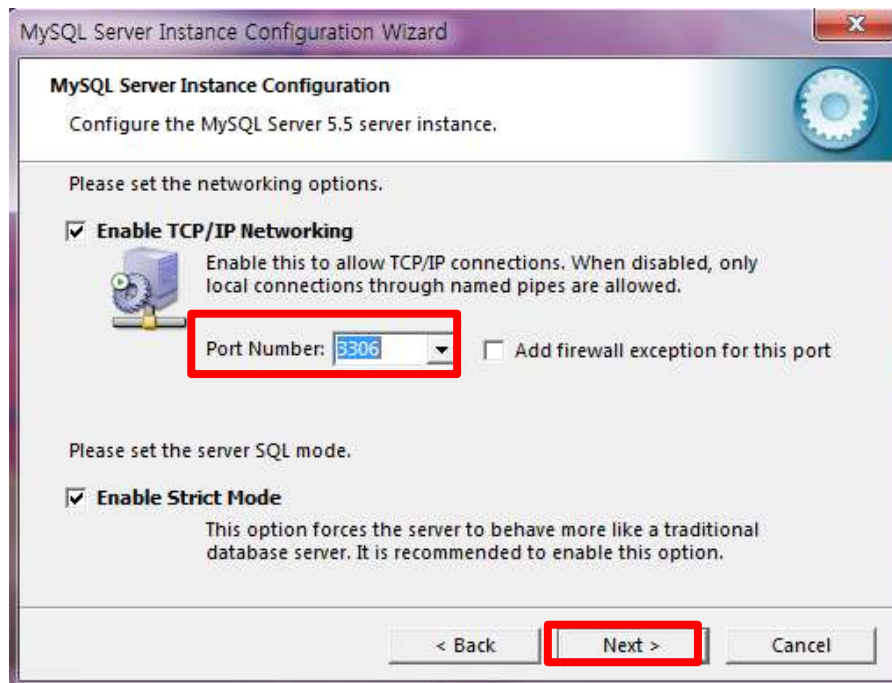
MySQL 설치

- 'Include Bin Directory in Windows PATH' 선택 후, Next 클릭
- root 계정의 패스워드는 tiger로 설정
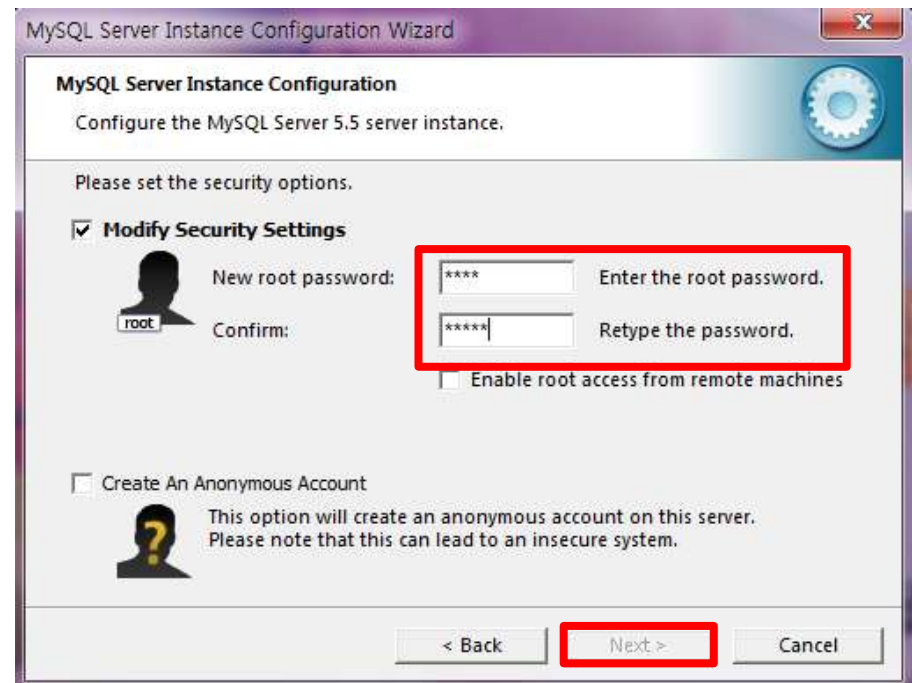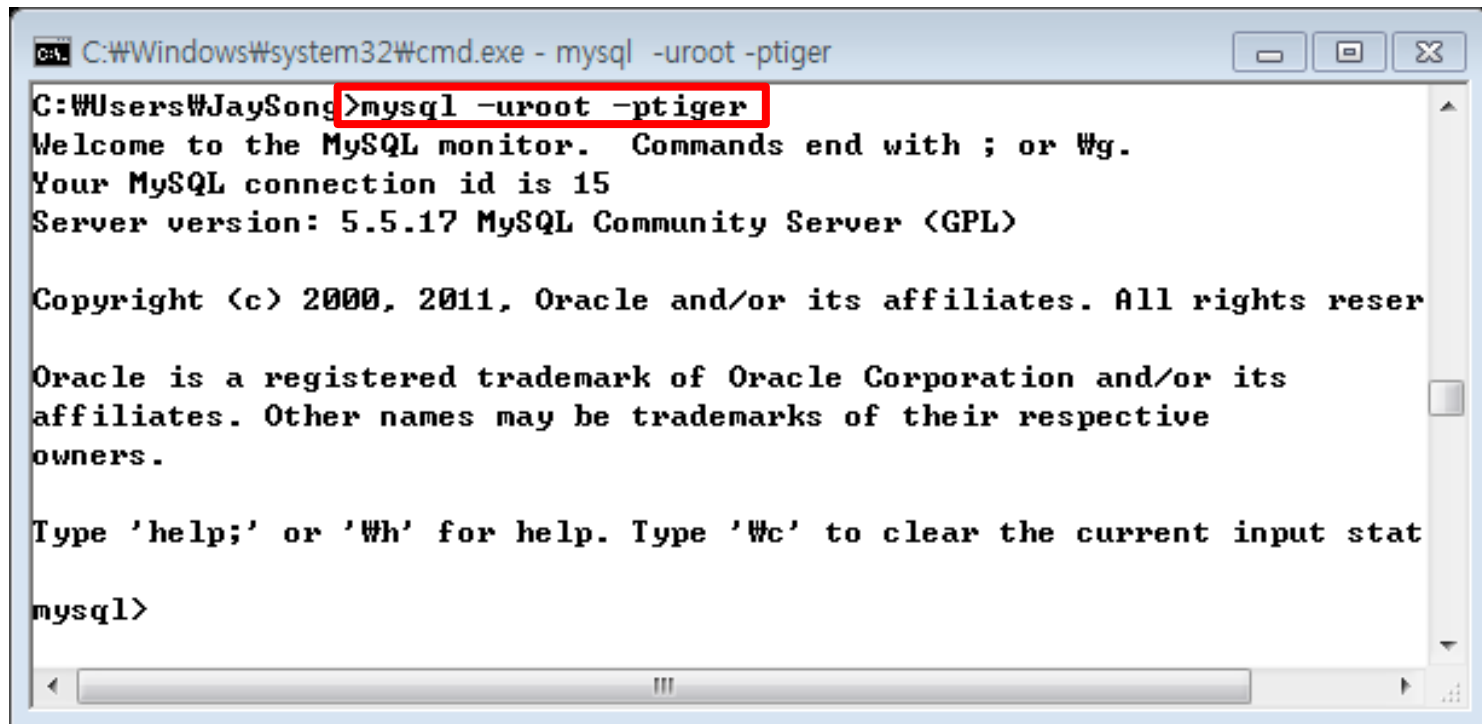
MySQL 설치

- Excute 선택
- 설치 완료 후 Finish 선택
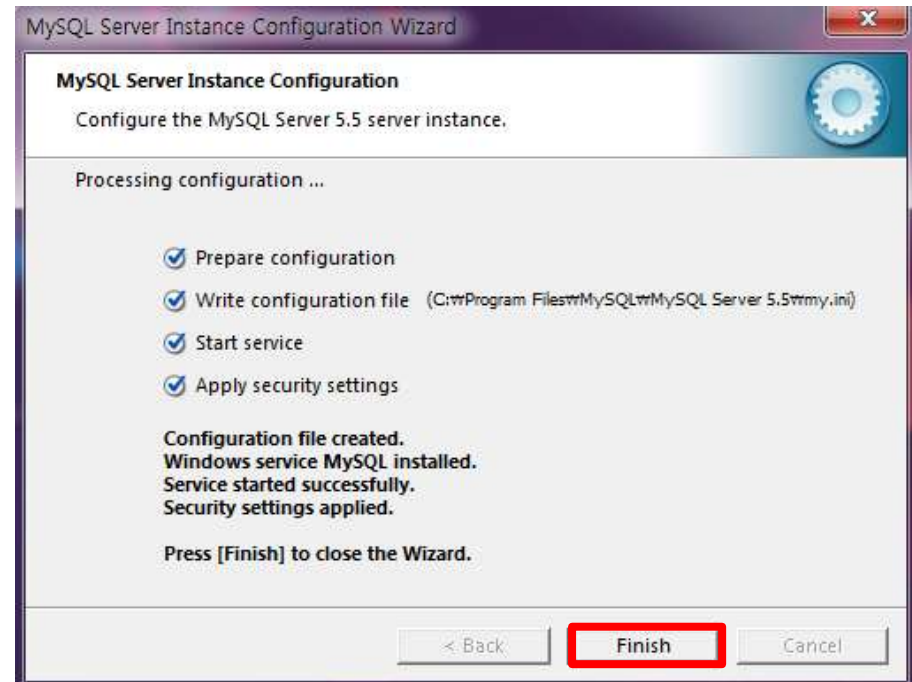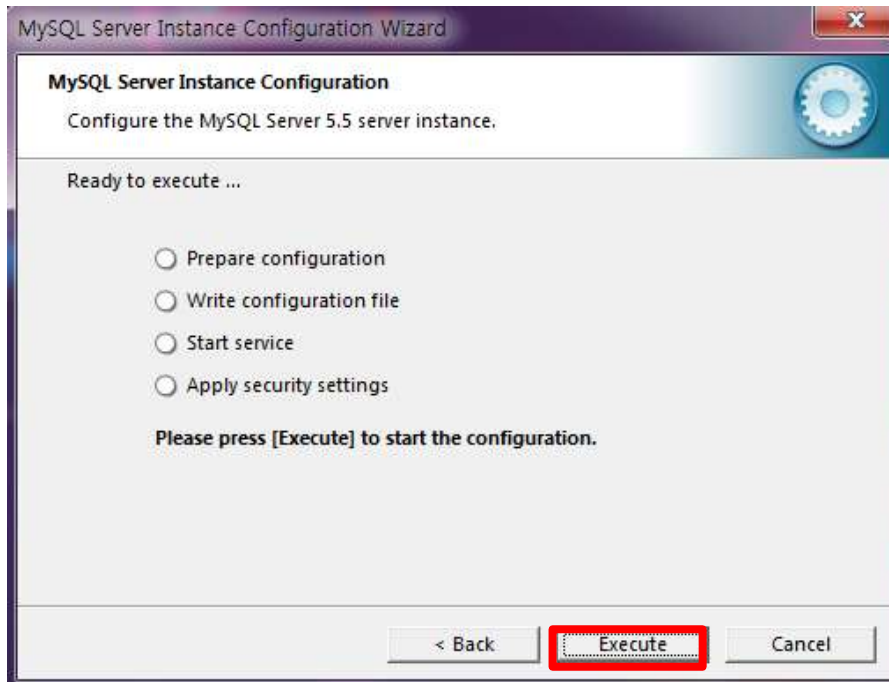
MySQL 접속

- Command 창에서 mysql –uroot –ptiger 입력
  - 명령어 : mysql –uroot –ptiger database
    - -u 옵션 : user이름을 'root' 설정
    - -p 옵션 : 암호(tiger)를 사용하여 접속
    - database : 해당 database로 접속

```
C:\Windows\system32\cmd.exe - mysql  -uroot -ptiger

C:\Users\JaySong>mysql -uroot -ptiger
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 5.5.17 MySQL Community Server (GPL)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input stat

mysql>
```

MYONGJI UNIVERSITY

SUBLIME EDITOR 설치

Sublime Text 2 설치

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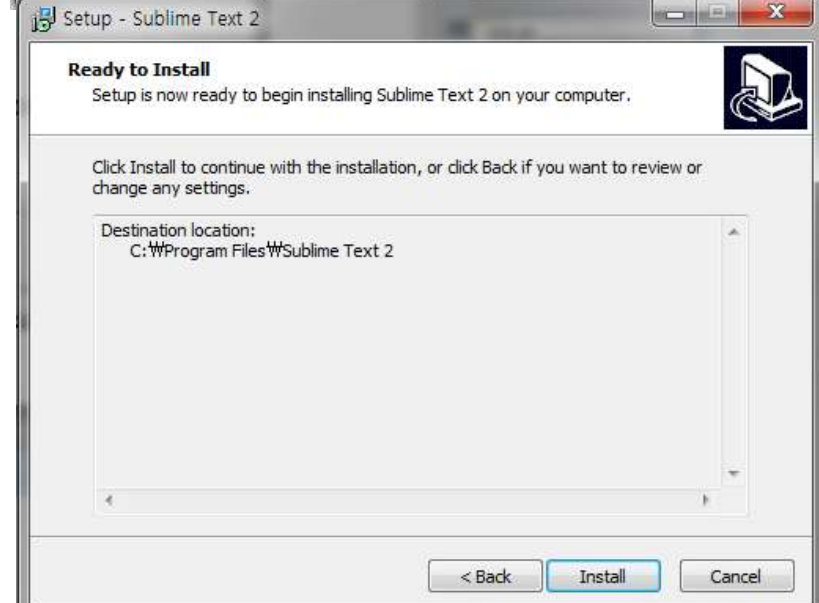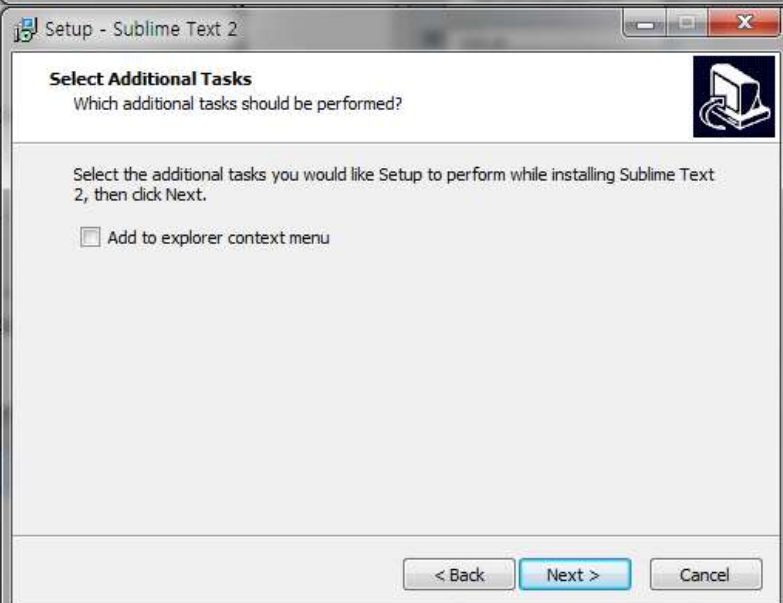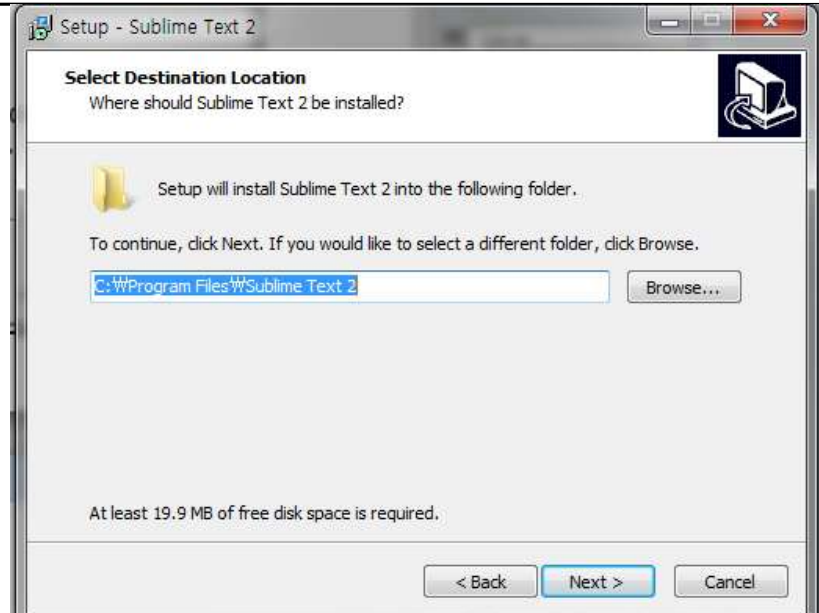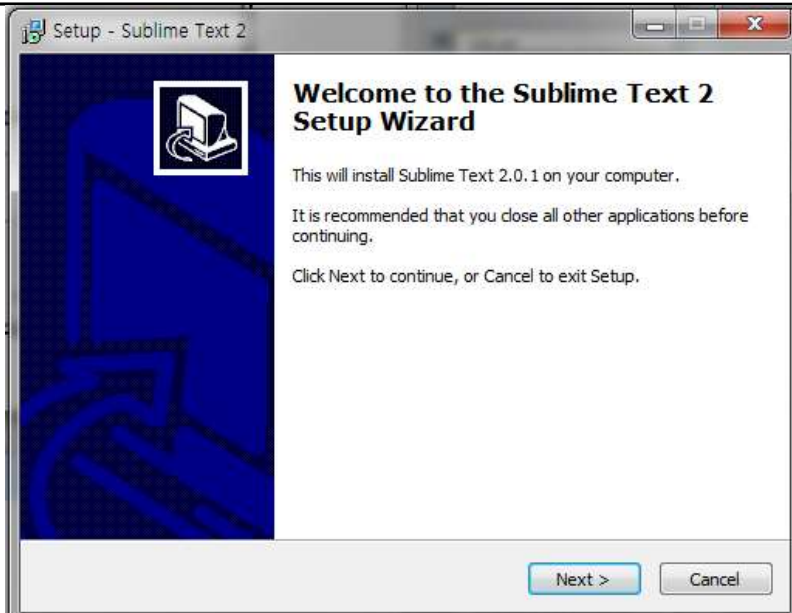The current version of Sublime Text 2 is 2.0.1.

- OS X (OS X 10.6 or 10.7 is required)
- Windows - also available as a portable version
- Windows 64 bit - also available as a portable version
- Linux 32 bit
- Linux 64 bit

Sublime Text 2 may be downloaded and evaluated for free, however a license must be purchased for continued use. There is currently no enforced time limit for the evaluation.
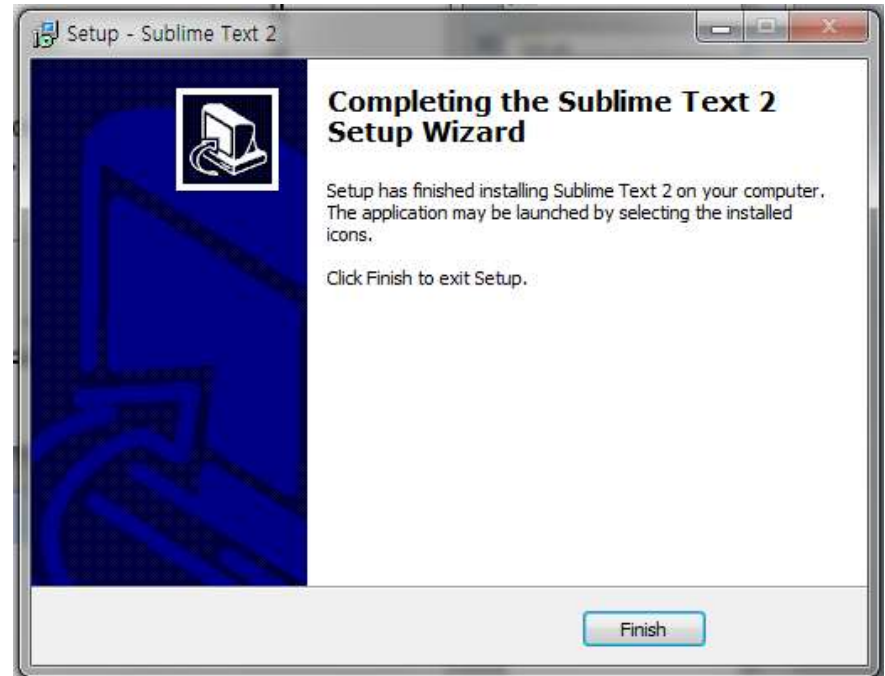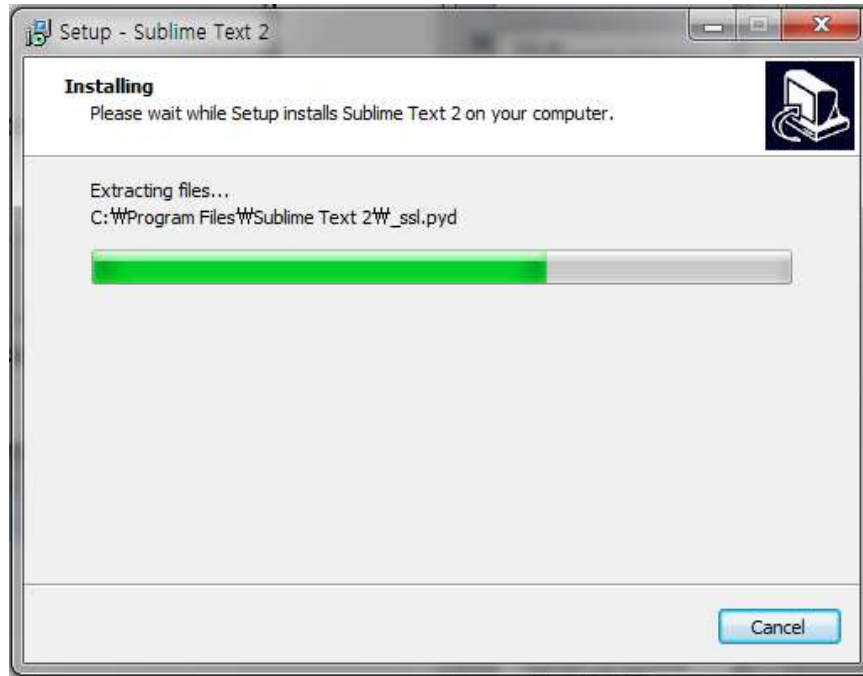
Please submit feature requests to http://sublimetext.userecho.com/. For notification about new versions, follow sublimehq on twitter.

Sublime Text 2 설치(Cont.)

Sublime Text 2 설치(Cont.)

Sublime Text