

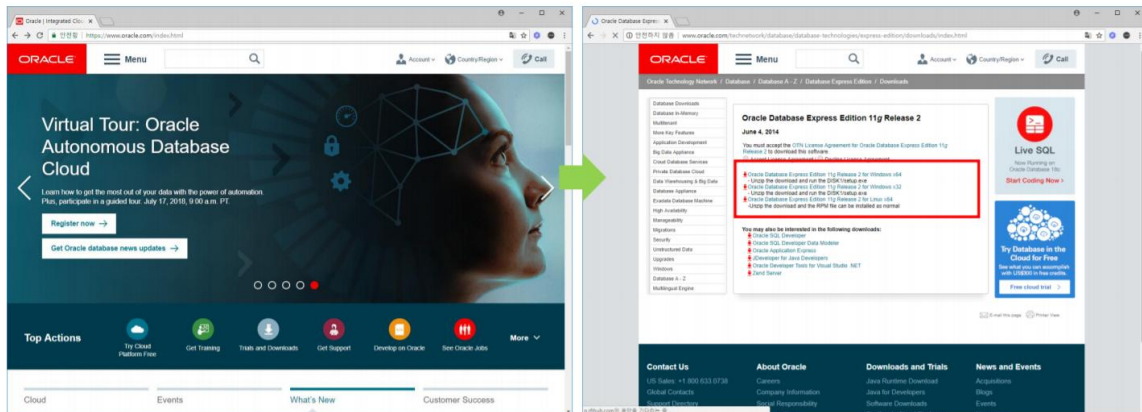
1. 오라클 홈페이지 접속 및 다운로드

<https://drive.google.com/open?id=1oq0KOSHkS28egAVOCbhIDCbwN4YTsnO>

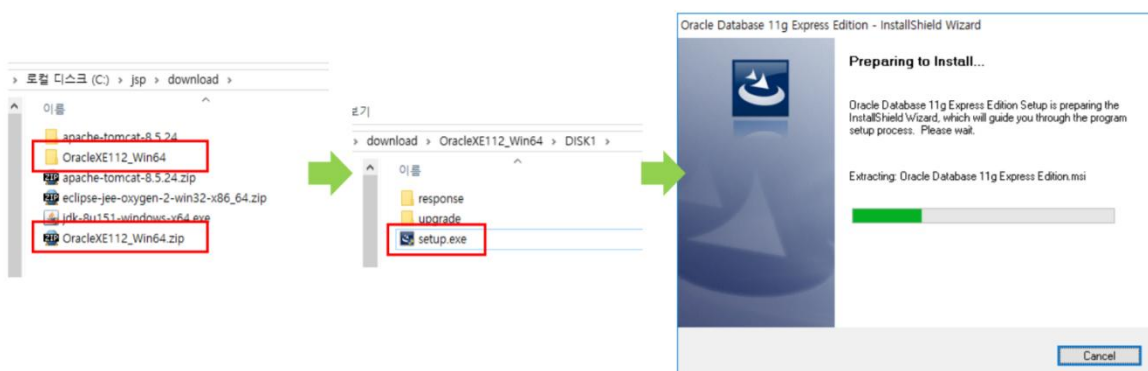
오라클 SQL 11버전 설치파일(강사 구글드라이브에 올려둔 설치파일)

or

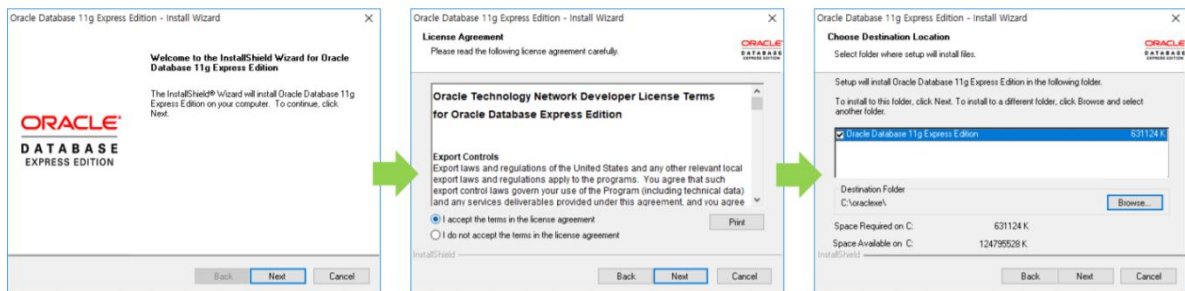
<http://www.oracle.com/technetwork/database/database-technologies/express-edition/downloads/index.html>



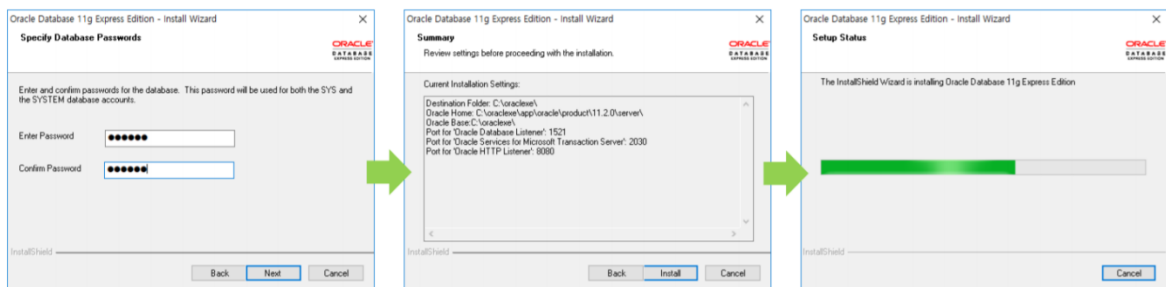
2. 오라클 다운로드 후 설치



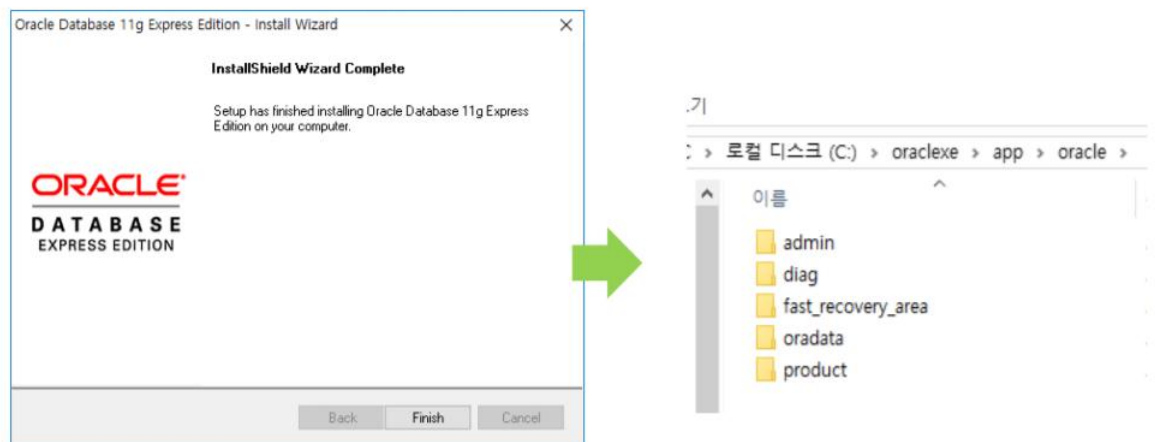
3. 설치 진행



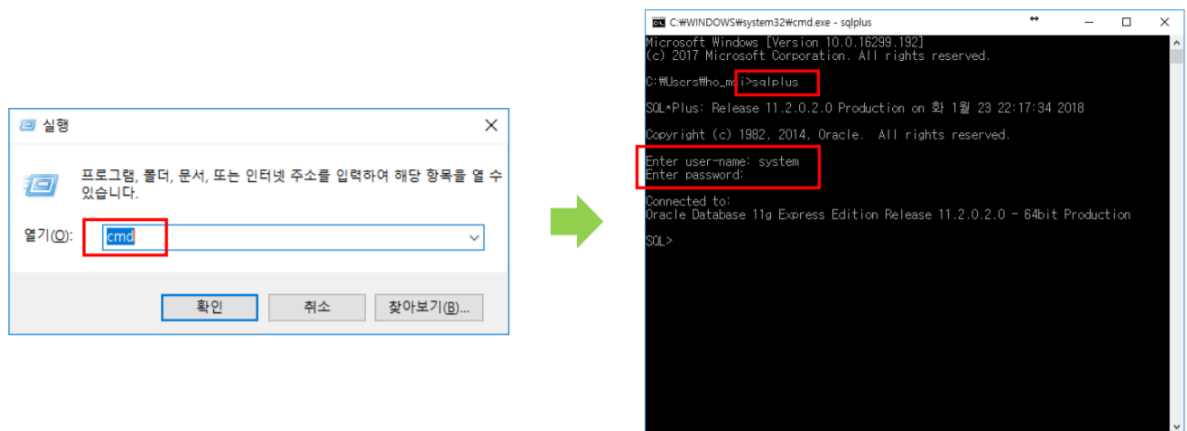
4. 시스템 비밀번호 걸기(일반적으로 oracle로 거는 경우가 많음.)



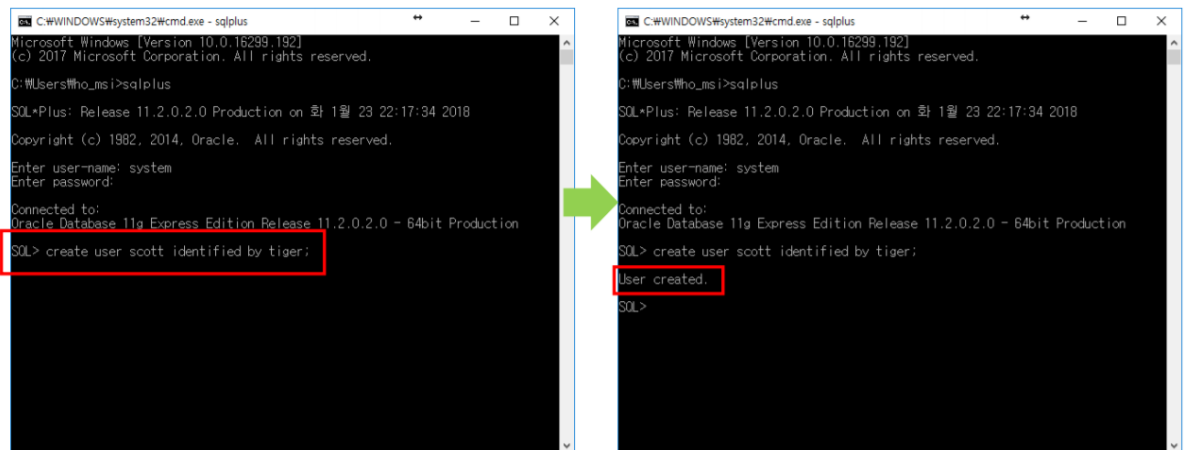
5. 오라클 SQL 설치완료



6. DB 계정생성(비밀번호는 설치시 입력했던 비밀번호 활용)



7. Scott 계정 생성(게시판 작성시 필요)



8. 권한 넘기기

```
C:\WINDOWS\system32\cmd.exe - sqlplus
Microsoft Windows [Version 10.0.16299.192]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\who_msi>sqlplus

SQL*Plus: Release 11.2.0.2.0 Production on 화 1월 23 22:17:34 2018

Copyright (c) 1982, 2014, Oracle. All rights reserved.

Enter user-name: system
Enter password:

Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

SQL> create user scott identified by tiger;

User created.

SQL> grant connect, resource to scott;
```

```
C:\WINDOWS\system32\cmd.exe - sqlplus
Microsoft Windows [Version 10.0.16299.192]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\who_msi>sqlplus

SQL*Plus: Release 11.2.0.2.0 Production on 화 1월 23 22:17:34 2018

Copyright (c) 1982, 2014, Oracle. All rights reserved.

Enter user-name: system
Enter password:

Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

SQL> create user scott identified by tiger;

User created.

SQL> grant connect, resource to scott;

Grant succeeded.

SQL>
```

9. 접속 테스트

```
C:\WINDOWS\system32\cmd.exe - sqlplus
Microsoft Windows [Version 10.0.16299.192]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\who_msi>sqlplus

SQL*Plus: Release 11.2.0.2.0 Production on 화 1월 23 22:17:34 2018

Copyright (c) 1982, 2014, Oracle. All rights reserved.

Enter user-name: system
Enter password:

Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

SQL> create user scott identified by tiger;

User created.

SQL> grant connect, resource to scott;

Grant succeeded.

SQL> exit
```

```
C:\WINDOWS\system32\cmd.exe - sqlplus
Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

SQL> create user scott identified by tiger;

User created.

SQL> grant connect, resource to scott;

Grant succeeded.

SQL> exit
Disconnected from Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

C:\Users\who_msi>sqlplus

SQL*Plus: Release 11.2.0.2.0 Production on 화 1월 23 22:21:43 2018

Copyright (c) 1982, 2014, Oracle. All rights reserved.

Enter user-name: scott
Enter password:

Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

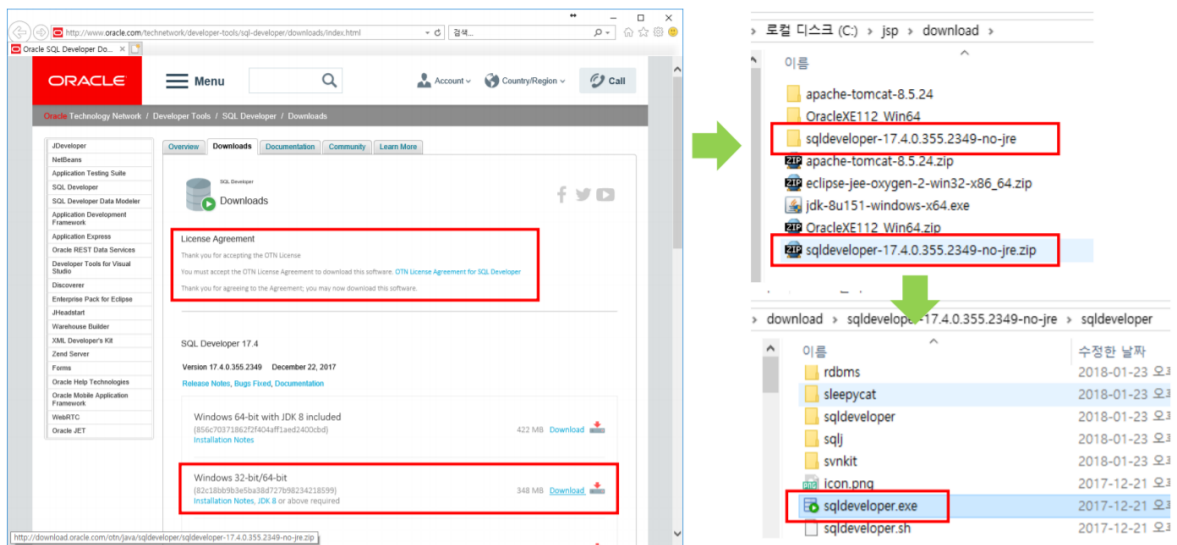
SQL> show user
USER is 'SCOTT'
```

10. SQL Developer 설치

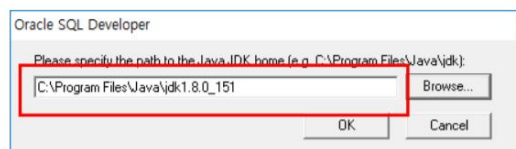
<https://drive.google.com/open?id=1RIP7NStlWFzTxElcPXAaJkwrqTkEqrje>

강사 구글 드라이브에 올려둔 SQLDeveloper(오라클 SQL 편집기)

<http://www.oracle.com/technetwork/developer-tools/sql-developer/downloads/index.html>



11. JDK 경로 설정(생략되는 경우도 있음)

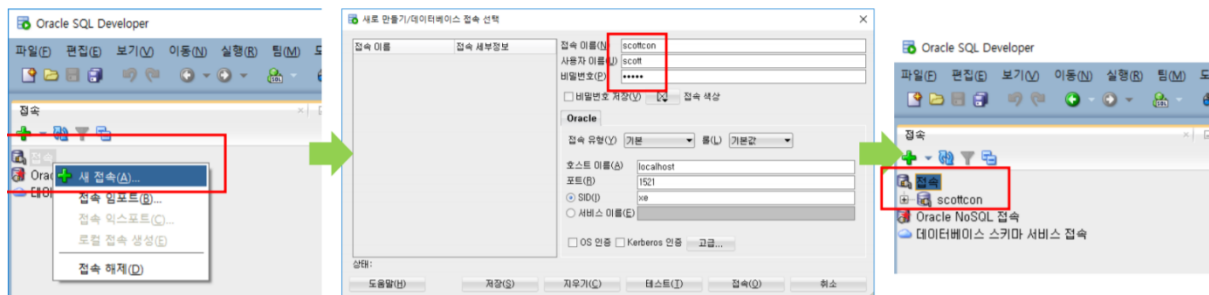


처음 SQL Developer를 실행하면 Java 경로를 설정해야 한다.
컴퓨터에 설치되어 있는 Java 경로를 설정한다.



SQL Developer가 실행된다.

12. SQL Developer에 계정 연결 생성



13. hr계정 활성화.

정상적으로 진행시

cmd창에서 `sqlplus system/oracle ->` 입력

`conn /as sysdba ->` 입력

`alter user hr account unlock; ->` 입력

`alter user hr identified by hr; ->` 입력

`conn hr ->` 입력

`select * from employees; ->` 입력

ORA-01031 발생시

cmd창에서 `sqlplus /nolog ->` 입력

`connect sys/oracle as sysdba ->` 입력

`alter user hr account unlock; ->` 입력

`alter user hr identified by hr; ->` 입력

`conn hr ->` 입력

`select * from employees; ->` 입력

14. 일과시간 후 hr계정 수정시 조치.

```
C:\Users\user>sqlplus
SQL*Plus: Release 11.2.0.2.0 Production on 화 4월 30 13:18:38 2019
Copyright (c) 1982, 2014, Oracle. All rights reserved.

Enter user-name: hr
Enter password:

Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production
SQL> ALTER TABLE employees DISABLE ALL TRIGGERS;
Table altered.
SQL>
```

15. 다시 되돌리기

```
ALTER TABLE employees ENABLE ALL TRIGGERS;
```

16. OJDBC pom.xml에 설정

mvnrepository에서 ojdbc8 검색 후 pom.xml 복붙