



# 01강.oracle

- 데이터 베이스의 개요
  - Oracle 설치
- 기본적인 SQL문 익히기

# 1 데이터 베이스의 개요

## 데이터베이스 구성

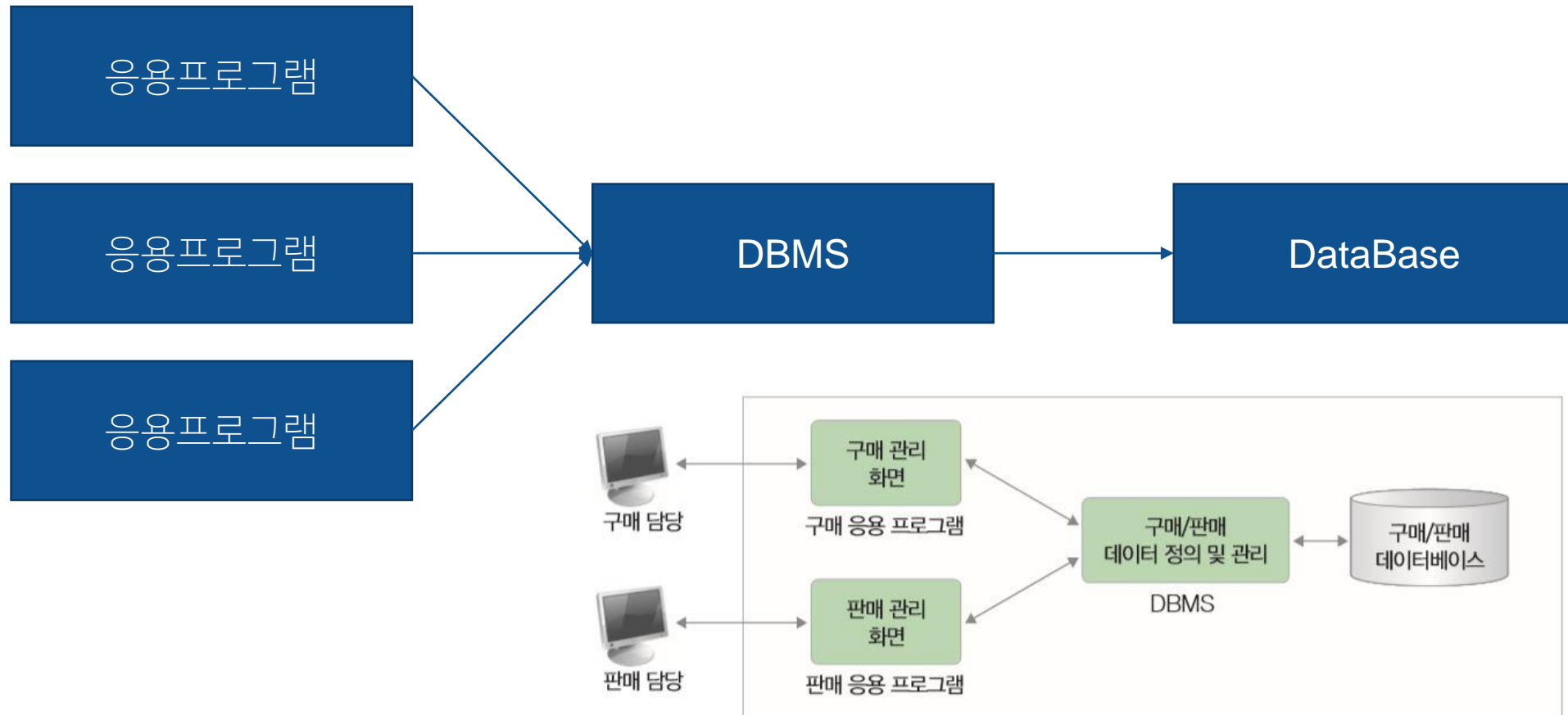




그림 1-12 DBMS로 구축된 구매 및 판매 응용 프로그램

# 1 오라클 설치



<https://www.oracle.com/kr/database/technologies/xe-downloads.html> 접속

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Database / Technologies /  
Oracle Database Express Edition (XE) Downloads

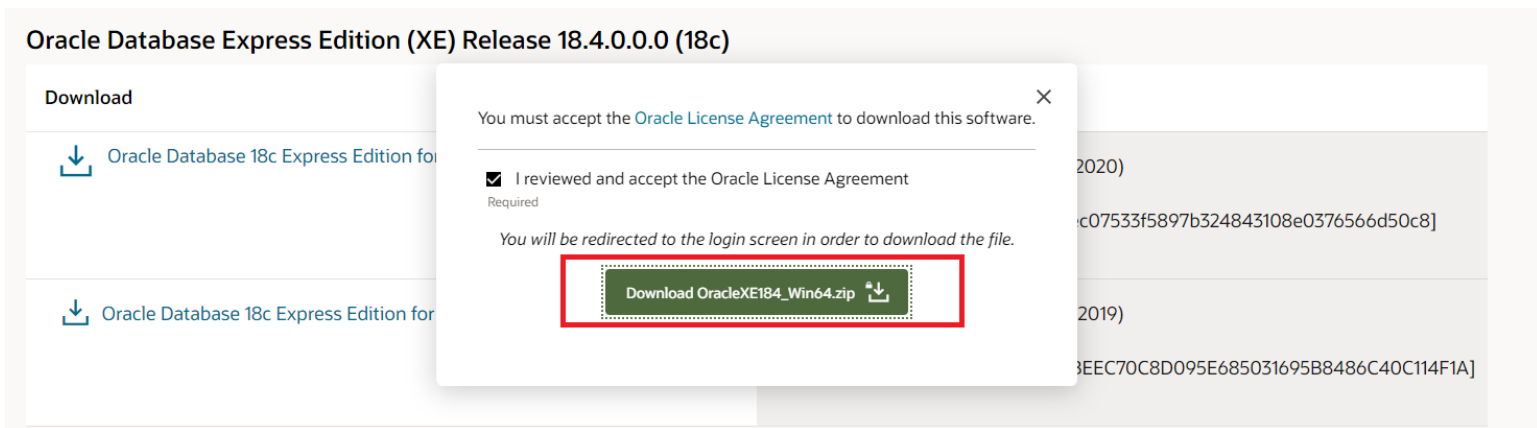
## Oracle Database XE Downloads

### Oracle Database Express Edition (XE) Release 18.4.0.0.0 (18c)

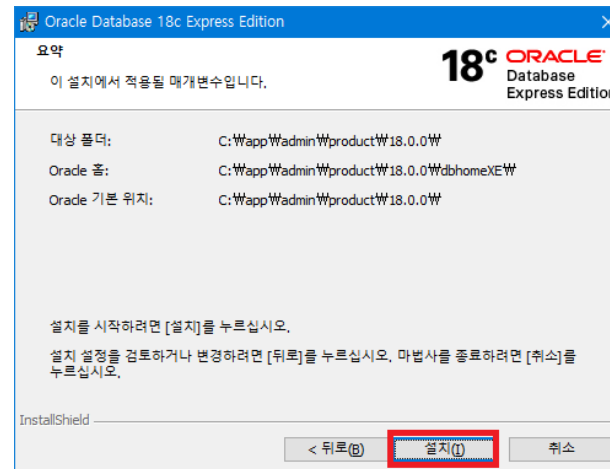
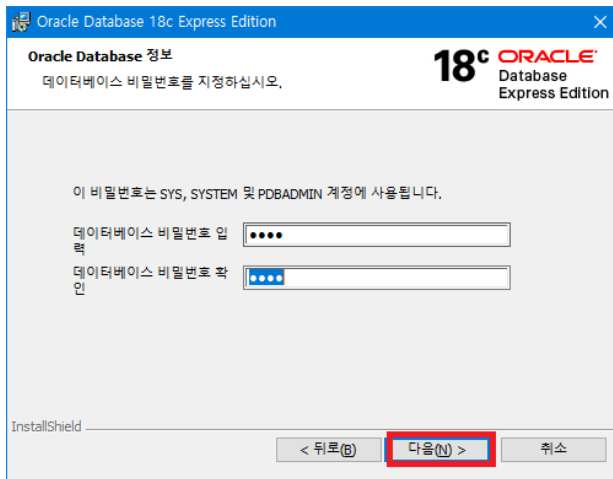
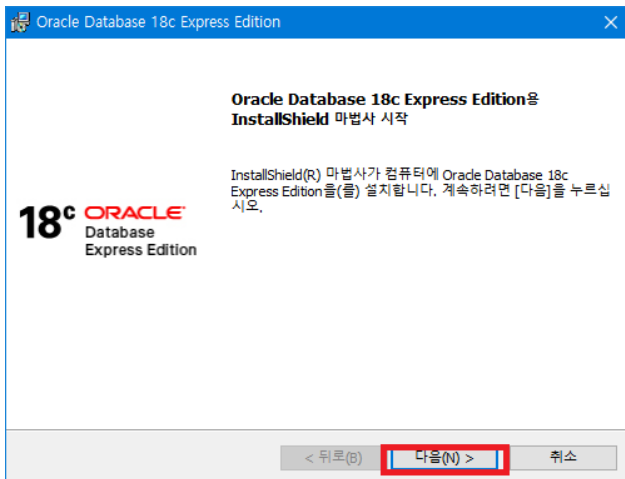
Download	Description
 <a href="#">Oracle Database 18c Express Edition for Linux x64</a>	(2,521,766,408 bytes - February 20, 2020) [Sha256sum: 4df0318d72a0b97f5468b36919a23ec07533f5897b324843108e0376566d50c8]
 <a href="#">Oracle Database 18c Express Edition for Windows x64</a>	(2,054,264,100 bytes - February 20, 2019) [Sha256sum: 7C1A85D05F6FCC5BE70E7BA4017BEEC70C8D095E685031695B8486C40C114F1A]

# 1 오라클 설치

## 1. os에 맞는 설치 프로그램 다운로드



## 2. Setup 설치



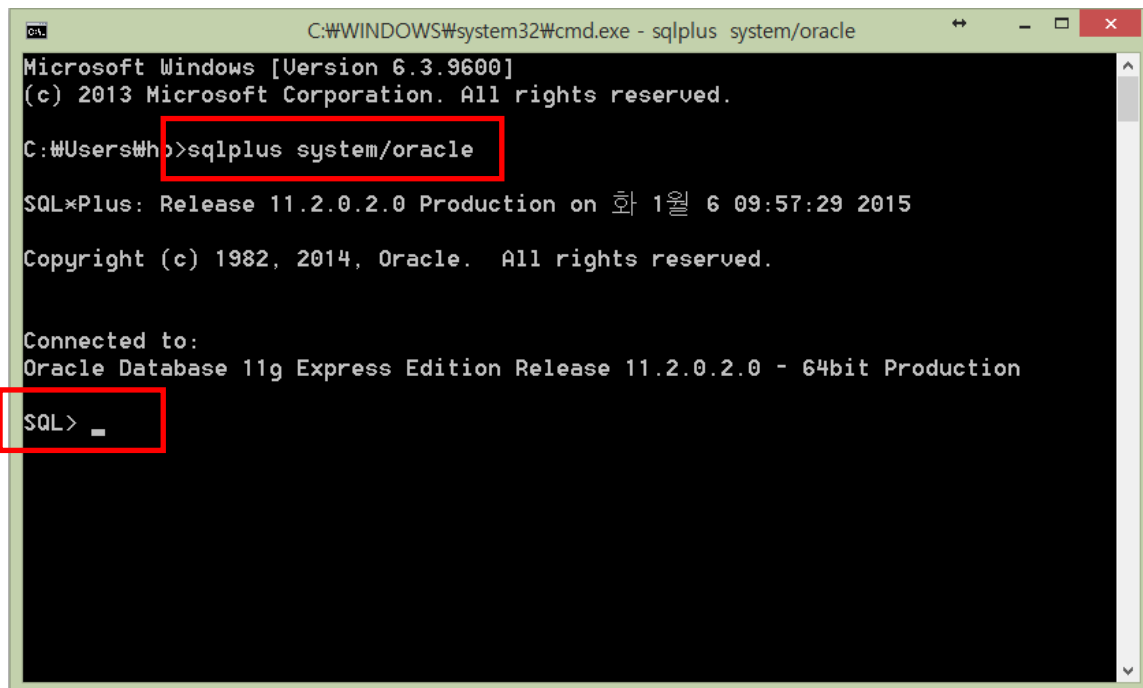
# 1 오라클 설치

## 1. 관리자 계정 로그인

ora\_user1 계정 생성 및 권한 설정 (비밀번호 : 1234)

- oracle12버전 이상부터 계정에 c##붙여야 함.

- Sys계정으로 로그인 > alter session set "\_ORACLE\_SCRIPT"=true; # c##생략가능



```
C:\WINDOWS\system32\cmd.exe - sqlplus system/oracle
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\h>sqlplus system/oracle

SQL*Plus: Release 11.2.0.2.0 Production on 화 1월 6 09:57:29 2015

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

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

SQL> _
```

```
create user "계정이름" identified by "비밀번호";
// 사용자 생성
grant connect, resource, dba to "계정이름";
// 권한 부여
```

예)

```
SQL> create user c##test identified by test;
사용자가 생성되었습니다.
```

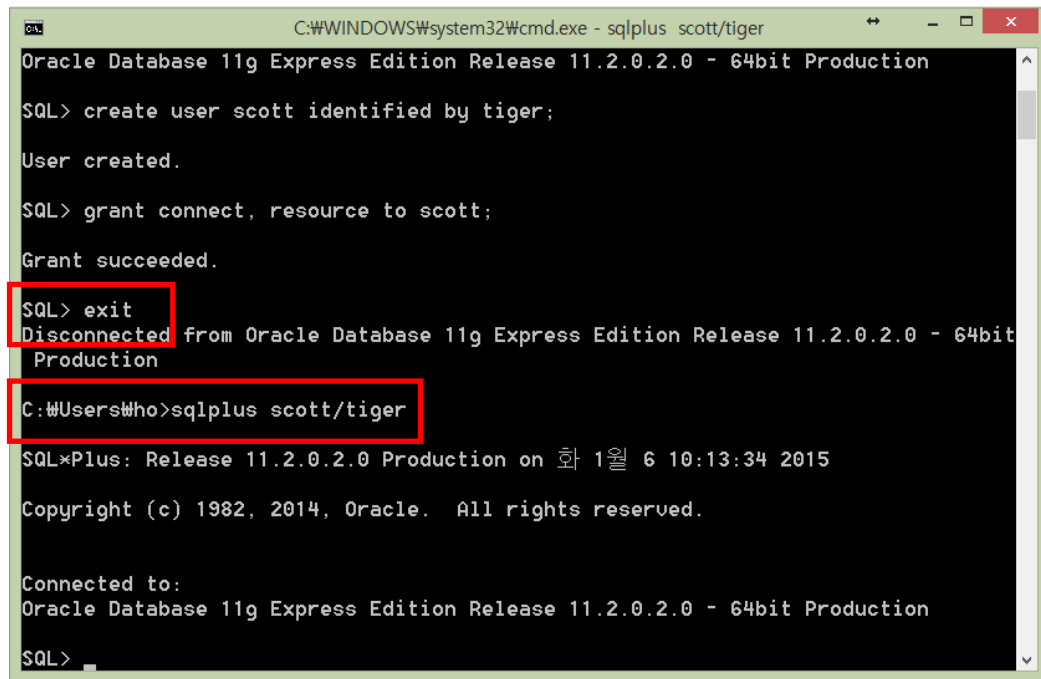
```
SQL> grant connect, resource, dba to c##test;
```

- 계정 삭제 : drop user test

- 권한 해제 : revoke connect, resource, dab from test

# 1 오라클 설치

## 1. ora\_user 계정 로그인



```
C:\WINDOWS\system32\cmd.exe - sqlplus scott/tiger

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>sqlplus scott/tiger

SQL*Plus: Release 11.2.0.2.0 Production on 화 1월 6 10:13:34 2015

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

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

SQL>
```

# 1 기본 sql문

## 테이블 생성

1. create table 테이블명 (컬럼명 자료형);

컬럼명 ←

```
SQL> create table member (  
2 id varchar2(20) primary key,  
3 pw varchar2(20),  
4 name varchar2(20),  
5 phone varchar2(20));  
  
Table created.  
  
SQL>
```

자료형      사이즈

### 자료형

number : 수치 데이터형  
char : 고정 문자열  
varchar2 : 가변길이 문자열

```
insert into customer (name, age, gender, reg_dati)  
values('홍길동',20,'M',sysdate);
```

# 1 기본 sql문

## 레코드 추가

1. Insert into 테이블이름(컬럼이름, 컬럼이름, ... ) values (데이터, 데이터, ...);

```
SQL> insert into member (id, pw, name, phone) values ('abc', '123', '홍길동', '010-1234-5678');

1 row created.

SQL> insert into member (id, pw, name, phone) values ('def', '456', '홍길순', '010-9012-3456');

1 row created.

SQL> insert into member (id, pw, name, phone) values ('ghi', '789', '홍길자', '010-7890-1234');

1 row created.

SQL> commit;

Commit complete.

SQL>
```



# 1 기본 sql문

## 레코드 검색

1. select 컬럼이름 from 테이블이름

```
SQL> select * from member;
```

```
ID
```

```
PW
```

```
NAME
```

```
PHONE
```

```
abc
```

```
123
```

```
홍길동
```

```
010-1234-5678
```

# 1 기본 sql문

## 레코드 삭제

### 1. delete from 테이블이름 (조건)

```
SQL> delete from member where name='홍길동';
```

```
1 row deleted.
```

```
SQL> select * from member;
```

```
ID
```

```
-----
```

```
PW
```

```
-----
```

```
NAME
```

```
-----
```

```
PHONE
```

```
-----
```

```
def
```

```
456
```

```
홍길순
```

```
010-9012-3456
```

# 1 기본 sql문

## 데이터 변경

1. update 테이블이름 set 컬럼이름=값, 컬럼이름=값, ... 조건

```
ghi  
789  
홍길자  
010-7890-1234
```

```
SQL> update member set pw='000' where id='ghi';
```

```
1 row updated.
```

```
ID
```

```
PW
```

```
NAME
```

```
PHONE
```

```
ghi  
000  
홍길자  
010-7890-1234
```

# 1 기본 sql문

## 테이블 삭제

### 1. drop table 테이블이름

```
SQL> select * from tab;
```

TNAME	TABTYPE
CLUSTERID	
MEMBER	TABLE

```
SQL> drop table member;
```

```
Table dropped.
```

```
SQL> select * from tab;
```

```
no rows selected
```

```
SQL>
```



THANK YOU