

개발환경구축 (Oracle 11g XE)

▶ 개발환경 구축 순서

1. 오라클 홈페이지(www.oracle.com) 접속
2. Download – Oracle Database 11g Express Edition 다운로드
3. 설치 및 관리자 계정 암호 설정
4. DB 접속 확인 및 SQLPlus 실행
5. 관리자 계정 로그인

▶ 개발 환경 구축

✓ Oracle 홈페이지 접속 및 다운로드

The screenshot shows the Oracle website's main banner for 'Infrastructure as a Service (IaaS) for Dummies'. The banner features a tablet displaying the book cover, which includes the Oracle logo, the title 'IaaS for Dummies', and a list of topics: 'Deploy workloads in the cloud', 'Manage your public cloud infrastructure', and 'Understand the value of IaaS'. The author is Lawrence Miller, CISSP, and it's the 2nd Oracle Special Edition. To the right of the tablet, the text reads 'Infrastructure as a Service (IaaS) for Dummies' and 'Achieve high infrastructure performance without the price; explore Oracle Cloud Platform, an enterprise-grade, fault-tolerant IaaS.' Below this is a button that says 'Get Dummies book →'. The top navigation bar includes a menu icon, the Oracle logo, a search icon, an account icon, a country/region selector, and a contact icon. At the bottom, there is a 'Top Actions' section with several icons: a download icon (highlighted with a red box), a training icon, a jobs icon, a development icon, a support icon, and a product documentation icon. A 'More' dropdown arrow is also present.

Menu ORACLE Search Account Country/Region Contact

Infrastructure as a Service (IaaS) for Dummies

Achieve high infrastructure performance without the price; explore Oracle Cloud Platform, an enterprise-grade, fault-tolerant IaaS.

Get Dummies book →

Top Actions Downloads Get Training See Oracle Jobs Develop on Oracle Get Support Get Product Documentation More

▶ 개발 환경 구축

✓ Oracle 홈페이지 접속 및 다운로드

 Database


 Middleware


 Applications

 IT Infrastructure

 Java

 Developer Tools

 Drivers and Utilities

 Open Source



 Database

→ Database 19c Enterprise/Standard Editions

→ Database 18c Enterprise/Standard Editions

→ Database 12c Enterprise/Standard Editions

→ Database 11g Enterprise/Standard Editions

→ Database 18c Express Edition

→ Audit Vault and Database Firewall

→ Berkeley DB

→ Big Data Connectors

→ Cluster Verification Utility

→ Database Mobile Server

→ Grid Infrastructure

→ ILM Assistant

→ Instant Client

→ MySQL

→ NoSQL Database

→ Rdb Products

→ R Distribution

→ Secure Backup

→ Secure Backup Cloud Module for Amazon S3

→ TimesTen In-Memory Database

▶ 개발 환경 구축

✓ Oracle 홈페이지 접속 및 다운로드

Oracle Database Express Edition

- ☐ Oracle Database 18c Express Edition
- ☒ Oracle Database 11g Release 2 Express Edition for Windows 64
- ☐ Oracle Database 11g Release 2 Express Edition for Linux x86 and Windows

▶ 개발 환경 구축

✓ Oracle 홈페이지 접속 및 다운로드

Database Downloads
Database In-Memory
Multitenant
More Key Features
Application Development
Big Data Appliance
Cloud Database Services
Private Database Cloud
Data Warehousing & Big Data
Database Appliance
Exadata Database Machine
High Availability
Manageability
Migrations
Security
Unstructured Data
Upgrades
Windows
Database A - Z
Multilingual Engine



Oracle Database XE

Prior Release Archive

Oracle Database Express Edition (XE) Release 11.2.0.2.0 (11gR2).

You must accept the [OTN License Agreement for Oracle Database 11gR2 XE](#) to download this software.

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➤ Oracle Database 11gR2 Express Edition for Windows x64 [Download](#)

{**Note:** Unzip the download and run the DISK1/setup.exe}

➤ Oracle Database 11gR2 Express Edition for Windows x32 [Download](#)

{**Note:** Unzip the download and run the DISK1/setup.exe}

➤ Oracle Database 11gR2 Express Edition for Linux x64 [Download](#)

{**Note:** Unzip the download and the RPM file can be installed as normal}



Live SQL

Now Running on
Oracle Database 19c

[Start Coding Now >](#)



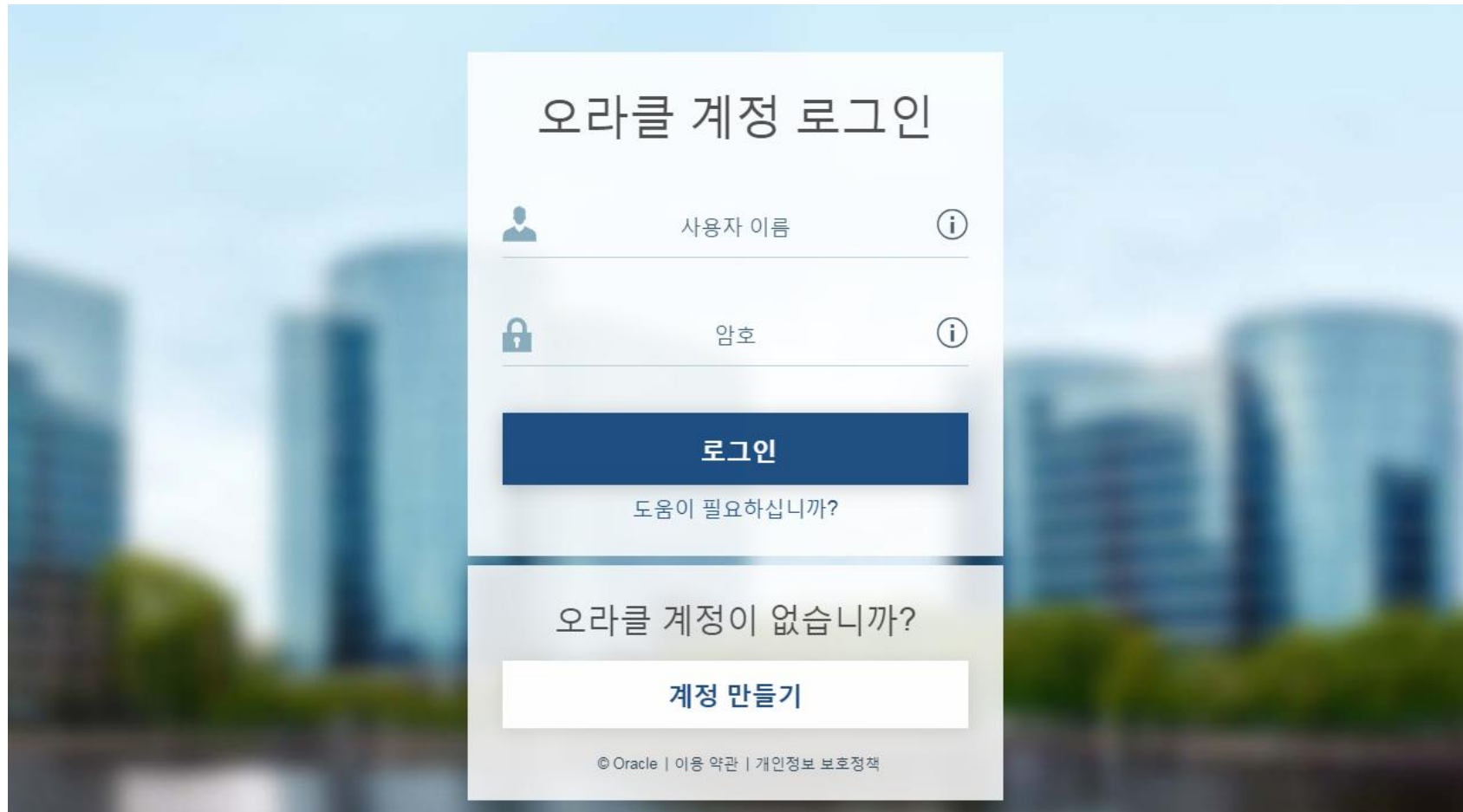
Try Database in the Cloud for Free

See what you can accomplish
with US\$300 in free credits.

[Free cloud trial >](#)

▶ 개발 환경 구축

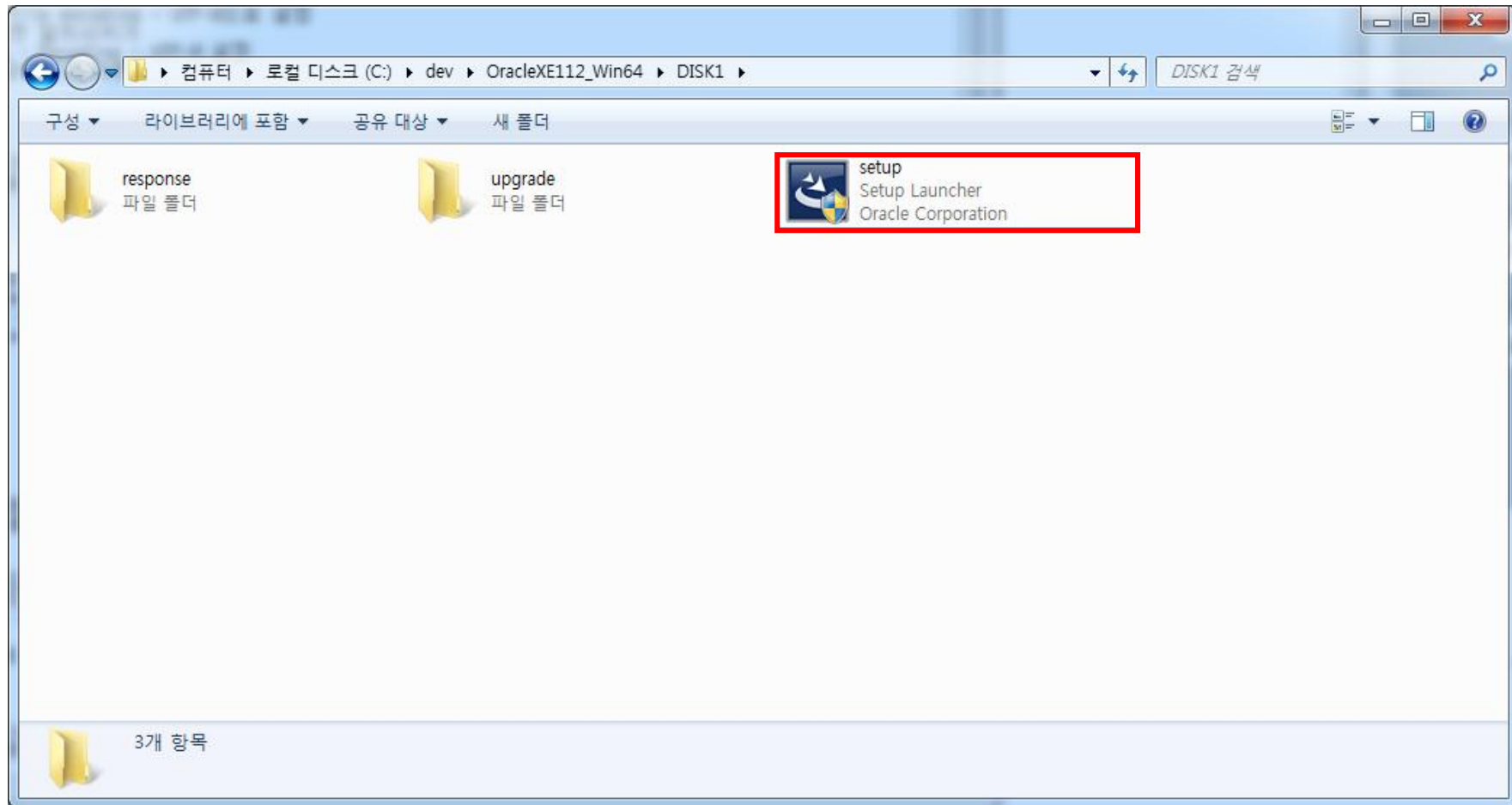
✓ Oracle 홈페이지 접속 및 다운로드

The image shows a screenshot of the Oracle website's login and registration interface. The background is a blurred cityscape. The interface is a white card with a light blue header. The title '오라클 계정 로그인' (Oracle Account Login) is at the top. Below it are two input fields: '사용자 이름' (Username) with a person icon and '암호' (Password) with a lock icon. Each field has an information icon (i) to its right. A dark blue '로그인' (Login) button is below the fields. Under the button is the text '도움이 필요하십니까?' (Need help?). Below this is a section for new users with the text '오라클 계정이 없습니까?' (Don't have an Oracle account?) and a white '계정 만들기' (Create account) button. At the bottom of the card, there is a small copyright notice: '© Oracle | 이용 약관 | 개인정보 보호정책'.

다운로드 시 Oracle 계정 필요

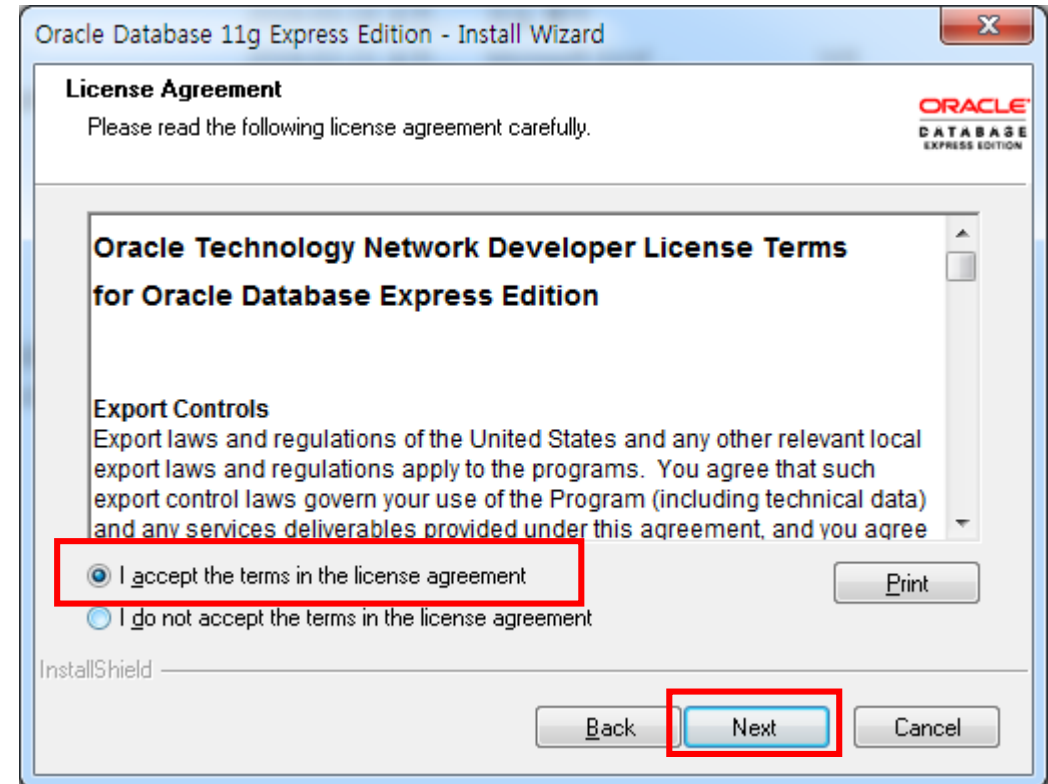
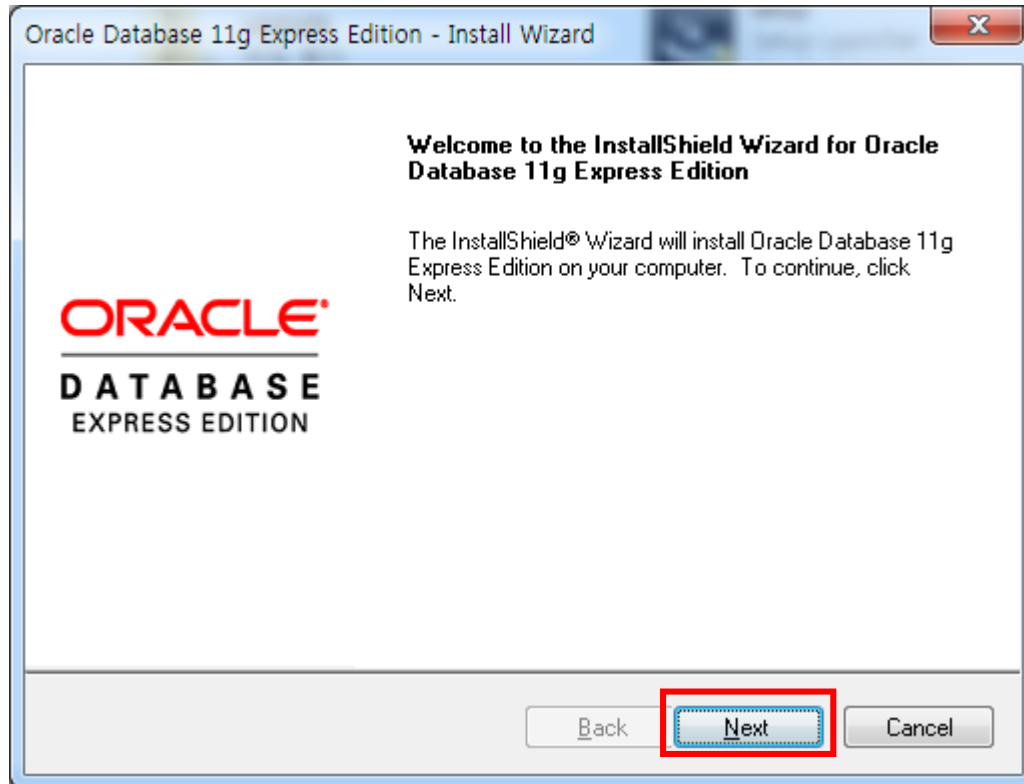
▶ 개발 환경 구축

✓ 다운로드 파일 압축 해제 후 설치



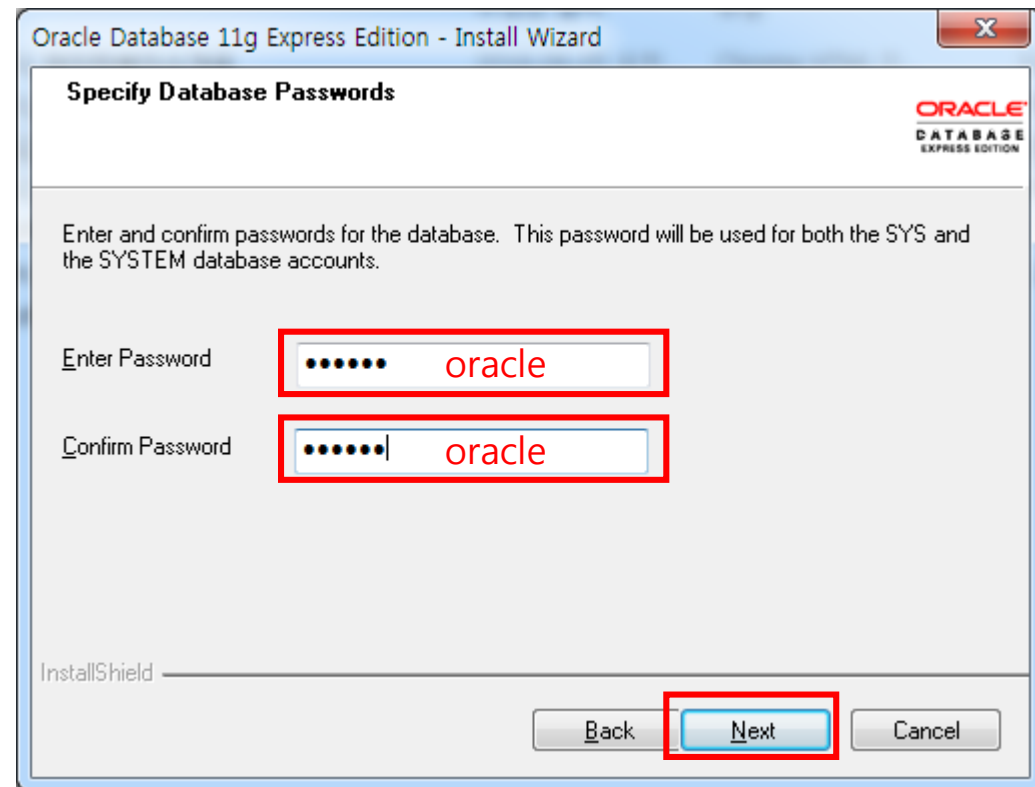
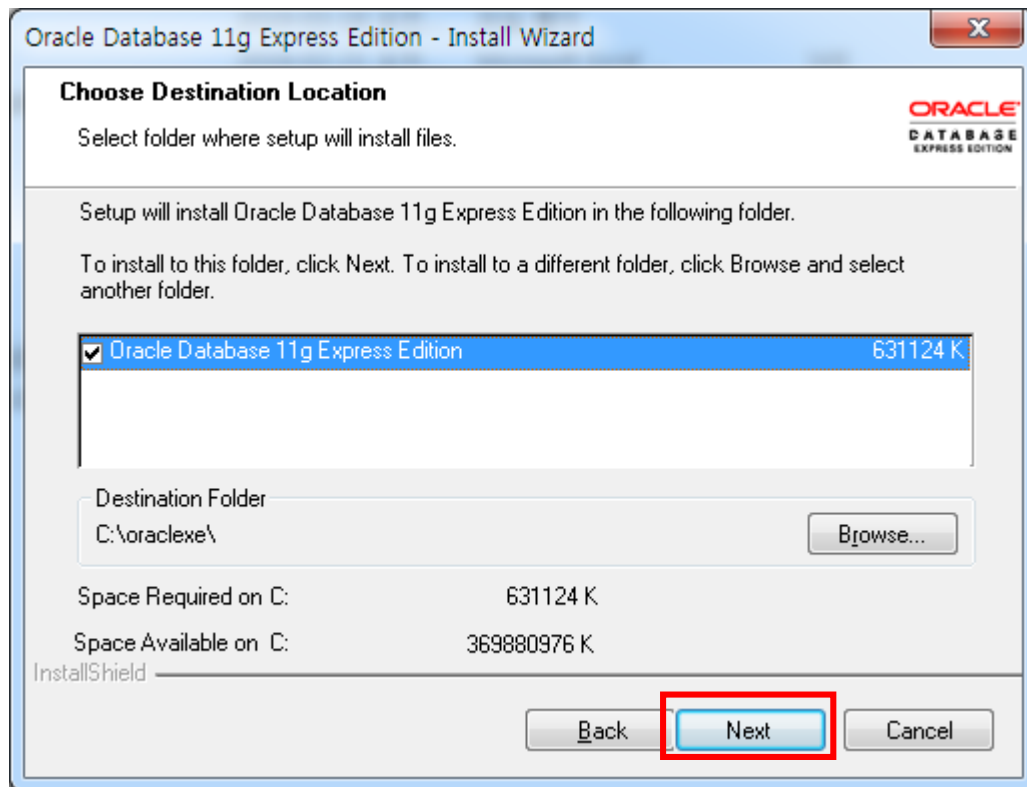
▶ 개발 환경 구축

✓ 다운로드 파일 압축 해제 후 설치



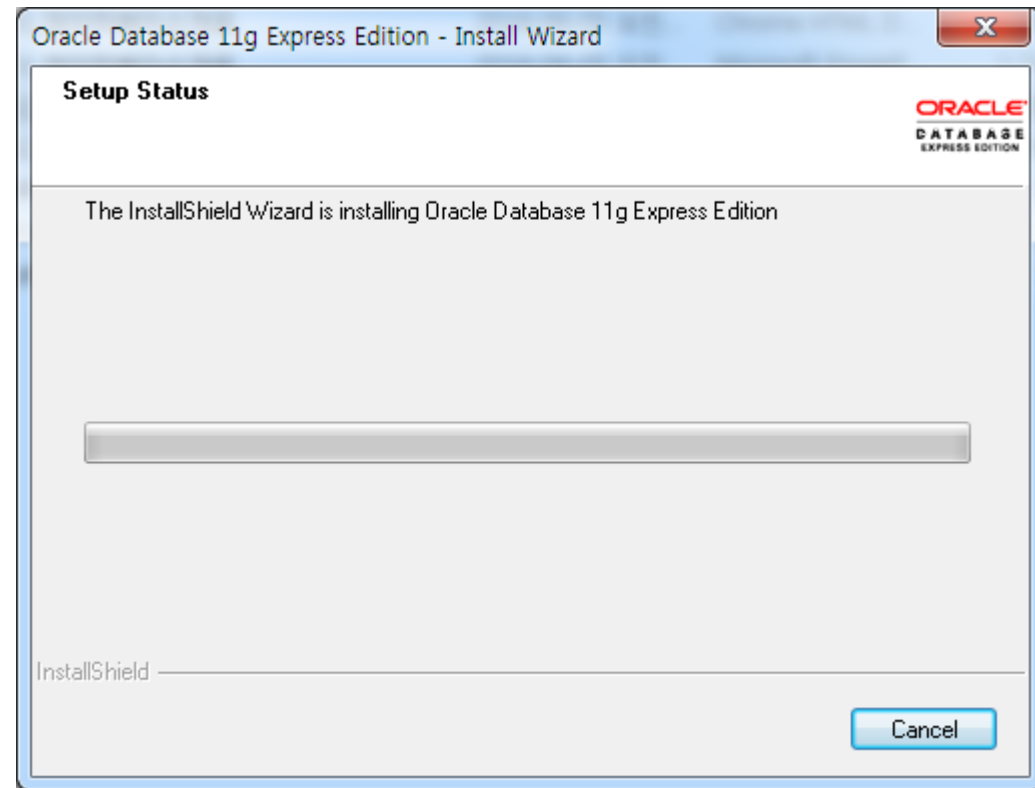
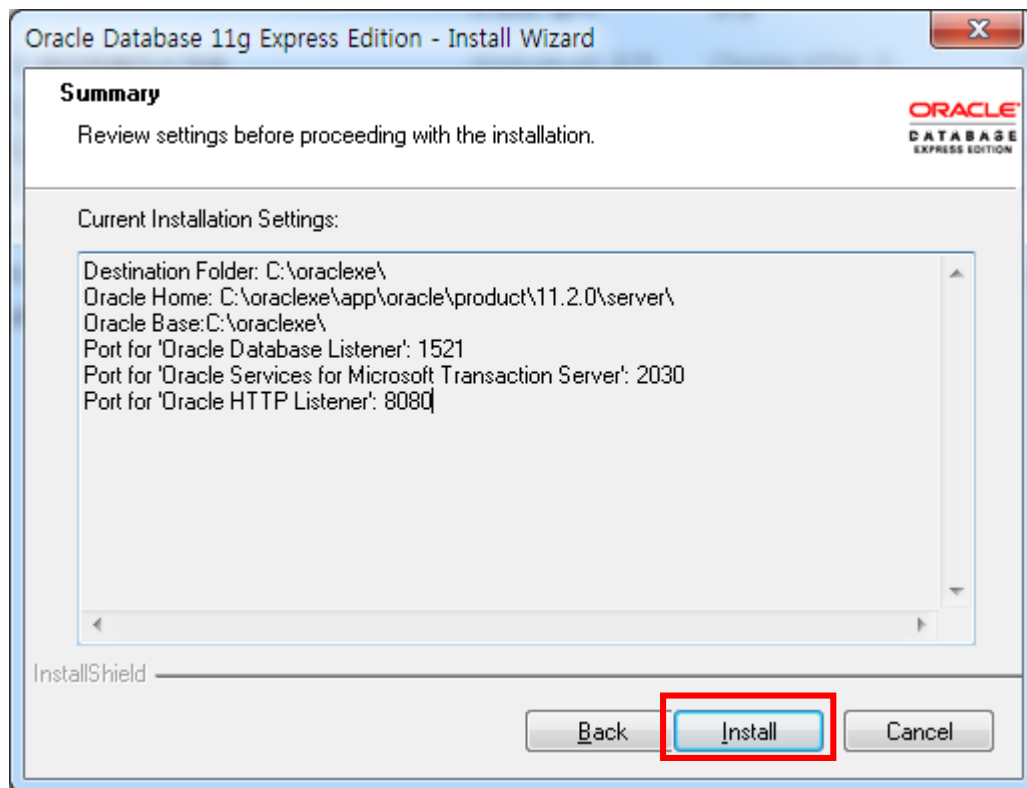
▶ 개발 환경 구축

✓ 다운로드 파일 압축 해제 후 설치



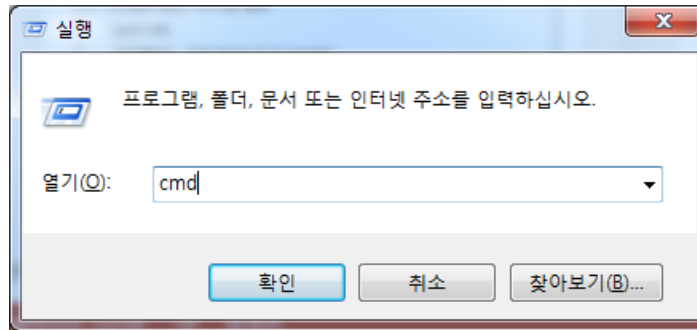
▶ 개발 환경 구축

✓ 다운로드 파일 압축 해제 후 설치



▶ 개발 환경 구축

✓ Oracle 설치 확인 및 system 계정 접속



window 키 + R

```
C:\Windows\system32\cmd.exe - sqlplus
Microsoft Windows [Version 10.0.18362.239]
(c) 2019 Microsoft Corporation. All rights reserved.
C:\Users\byeo\>sqlplus
SQL*Plus: Release 11.2.0.2.0 Production on 토 7월 27 13:01:14 2019
Copyright (c) 1982, 2014, Oracle. All rights reserved.
Enter user-name: sys as sysdba
Enter password:
Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production
SQL>
```

Enter user-name : sys dba sysdba
Enter password : oracle

▶ 개발환경 구축 순서

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3. 압축 해제 후 바로 실행

▶ 개발 환경 구축

✓ Oracle 홈페이지 접속 및 다운로드

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Menu ORACLE Search Account Country/Region Contact

Infrastructure as a Service (IaaS) for Dummies

Achieve high infrastructure performance without the price; explore Oracle Cloud Platform, an enterprise-grade, fault-tolerant IaaS.

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Top Actions Downloads Get Training See Oracle Jobs Develop on Oracle Get Support Get Product Documentation More

▶ 개발 환경 구축


✓ SQL Developer 다운로드


개발자 툴




- ADF Faces
- Application Express Standalone
- BI Publisher
- BI Spreadsheet Add-in
- BPEL Process Manager
- Data Miner
- Developer Suite 10g
- Developer Tools for Visual Studio
- Enterprise Pack for Eclipse
- Forms & Reports Services
- JDeveloper & ADF
- NetBeans IDE
- SOA Suite
- Developer Studio
- **SQL Developer**
- SQL Developer Data Modeler
- StorageTek
- Team Productivity Center
- TopLink
- VM: Pre-Built VirtualBox VMs
- VM: Oracle VM Templates
- Warehouse Builder
- WebRTC Session Controller Client SDK
- XML Developer Kit 10g

▶ 개발 환경 구축

✓ SQL Developer 다운로드

 SQL Developer

 Downloads



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SQL Developer 18.4

Version 18.4.0.376.1900 January 15, 2019


[New Features](#), [Release Notes](#), [Bugs Fixed](#), [Documentation](#)

Windows 64-bit with JDK 8 included

MD5: ccd8ec0af2108397dc299336f0357cd8)

SHA1: 31ee5e04c7f1d119b0ada3b9b0c1769d52284dfd

[Installation Notes](#)


428 MB [Download](#) 

Windows 32-bit/64-bit

(66184c6f79433786b6a2dd97f6fa5ba1)

SHA1: 2536dad95e0390f7202f0c5962a1af99ee3de787

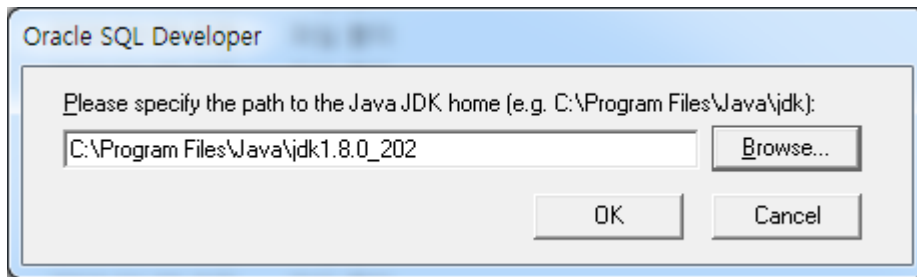
[Installation Notes](#), [JDK 8 required](#)

354 MB [Download](#) 

다운로드 시
Oracle 계정 필요

▶ 개발 환경 구축

✓ SQL Developer 압축 해제 후 실행

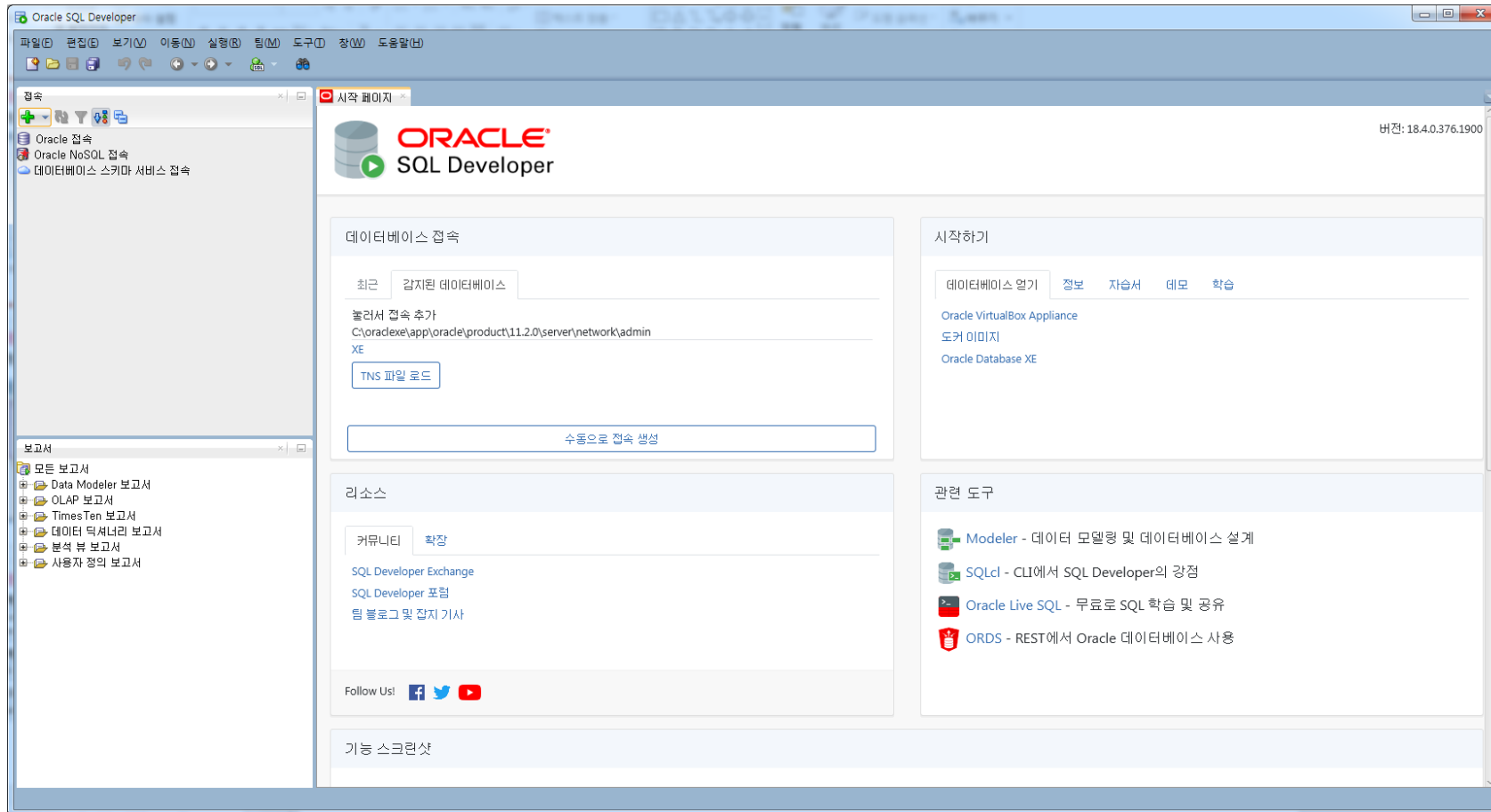


최초 실행 시 jdk 경로 지정



▶ 개발 환경 구축

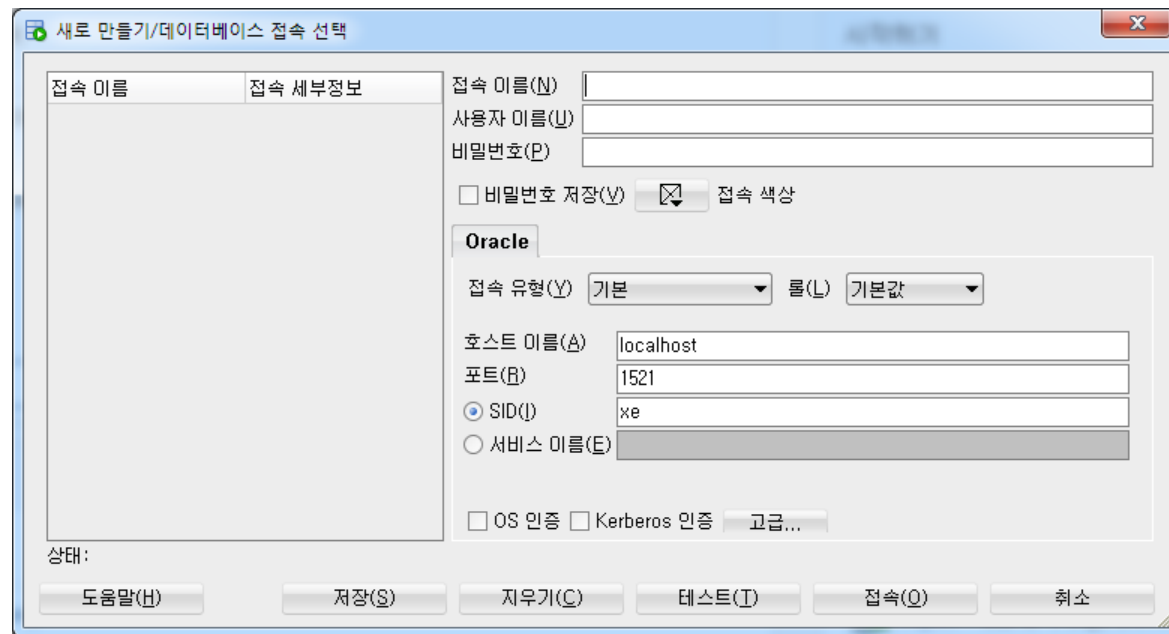
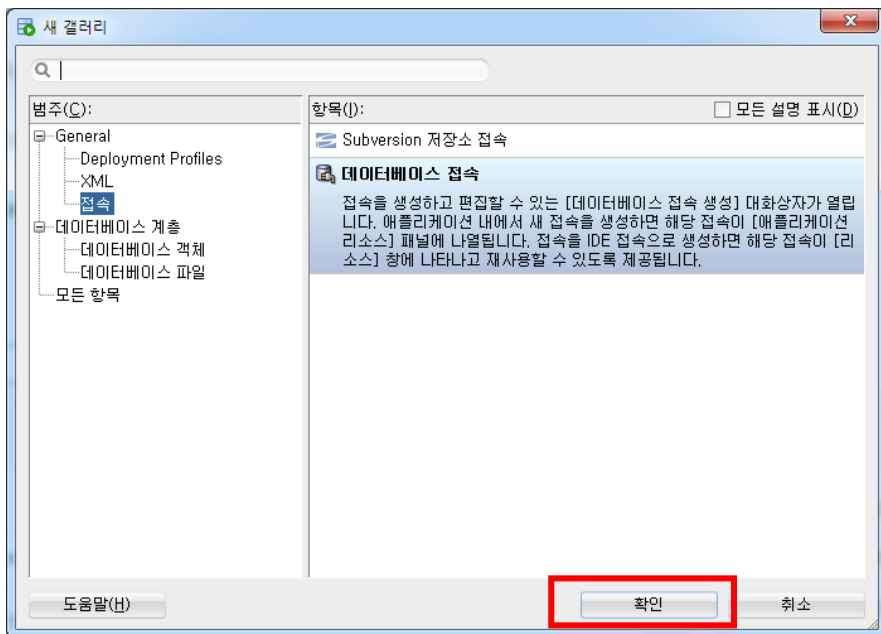
✓ SQL Developer 실행



▶ 개발 환경 구축

✓ 접속 설정

파일 - 새로 만들기 - General - 접속 - 데이터베이스 접속



▶ 개발 환경 구축

✓ sys as sysdba 접속 설정

sys as sysdba : 데이터 베이스 관리 권한이 있는 계정

The screenshot shows the '새로 만들기/데이터베이스 접속 선택' (New/Database Connection Selection) dialog box. The following elements are highlighted with red boxes and numbered:

- ①: The '접속 이름(N)' (Connection Name) field, which contains 'sys as sysdba'.
- ②: The '상태: 성공' (Status: Success) label at the bottom left.
- ③: The '비밀번호 저장(V)' (Save Password) checkbox, which is checked.
- ④: The '저장(S)' (Save) button at the bottom.
- ⑤: The '접속(O)' (Connect) button at the bottom.

The 'Oracle' section is expanded, showing the following configuration:

- 접속 유형(V) (Connection Type): 기본 (Basic)
- 롤(L) (Role): 기본값 (Default)
- 호스트 이름(A) (Host Name): localhost
- 포트(P) (Port): 1521
- SID(I) (SID): xe
- 서비스 이름(E) (Service Name): (empty)
- OS 인증 (OS Authentication): ☐
- Kerberos 인증 (Kerberos Authentication): ☐
- 고급... (Advanced...): (button)

① 접속 이름 : sys as sysdba (자유롭게 지정)
 사용자 이름 : sys as sysdba
 비밀번호 : oracle

② 테스트 클릭 -> 상태: 성공 (확인)

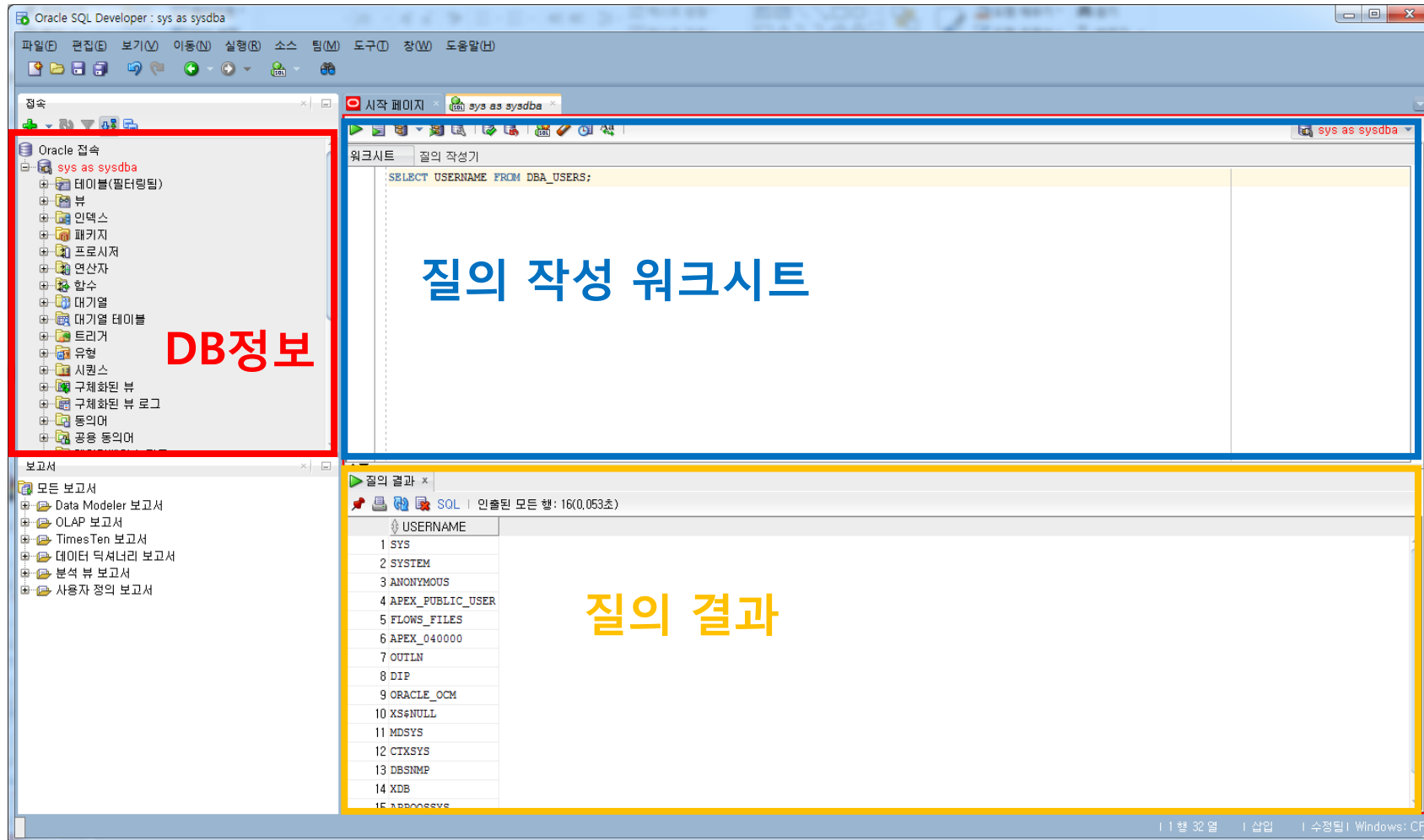
③ 비밀번호 저장 체크, 접속 색상 지정

④ 저장 클릭 후 좌측 창에 등록 확인

⑤ 접속 클릭

▶ 개발 환경 구축

✓ sys as sysdba 접속



▶ 개발 환경 구축

✓ 새로운 계정 생성

```
CREATE USER kh IDENTIFIED BY kh;  
GRANT RESOURCE, CONNECT TO kh;
```

✓ 생성한 계정 접속

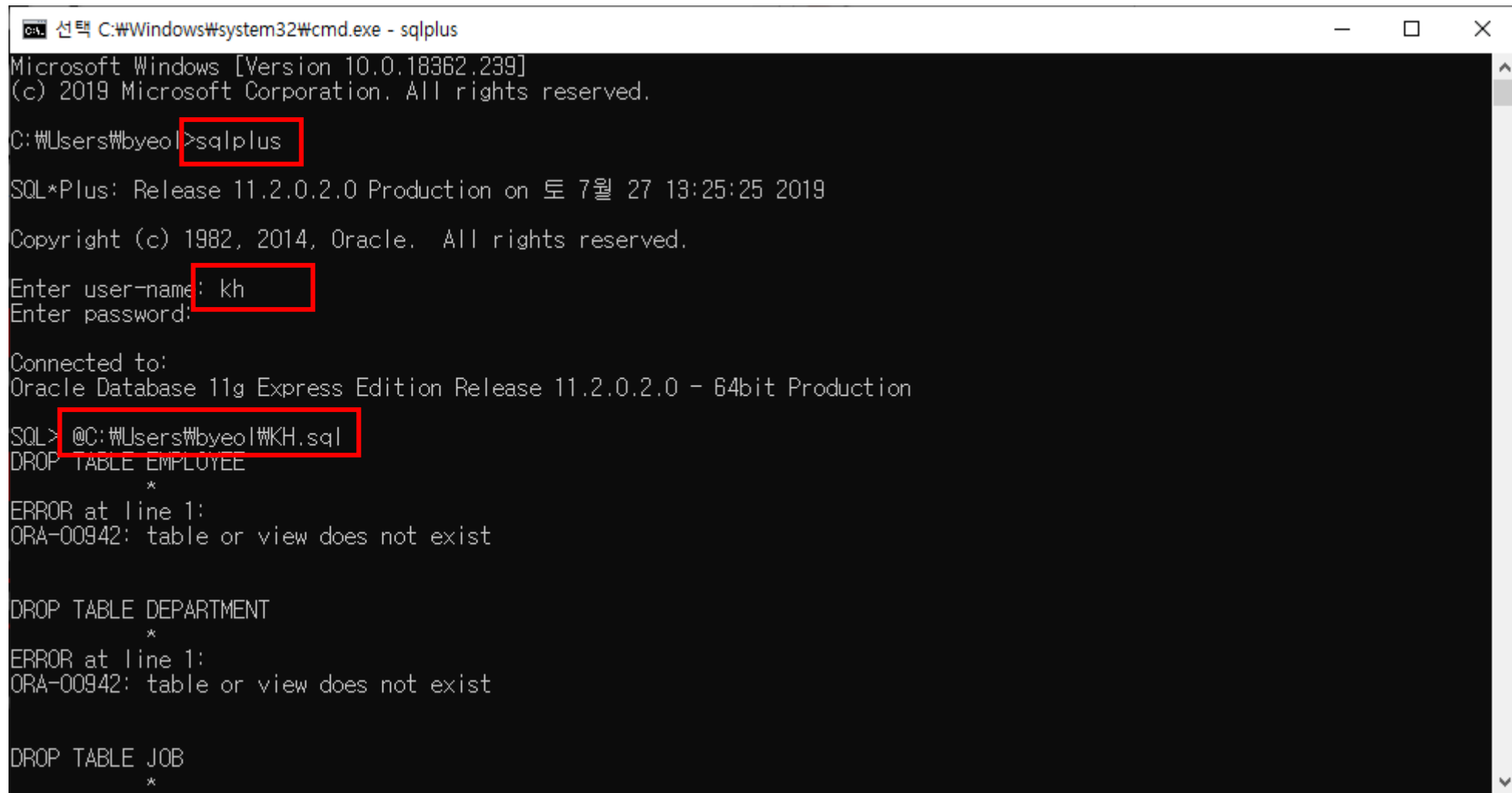
시스템 계정 로그인과 동일한 방식으로 생성한 계정을 접속 설정 하고 로그인한다

✓ 실습 스크립트 실행

실습 스크립트 내용을 복사해 질의 작성 워크시트에 붙여 넣고 실행시킨다

▶ 개발 환경 구축

✓ DB 수업용 스크립트 적용



```
선택 C:\Windows\system32\cmd.exe - sqlplus
Microsoft Windows [Version 10.0.18362.239]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\byeo>sqlplus

SQL*Plus: Release 11.2.0.2.0 Production on 토 7월 27 13:25:25 2019

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

Enter user-name: kh
Enter password:

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

SQL> @C:\Users\byeo\KH.sql
DROP TABLE EMPLOYEE
*
ERROR at line 1:
ORA-00942: table or view does not exist

DROP TABLE DEPARTMENT
*
ERROR at line 1:
ORA-00942: table or view does not exist

DROP TABLE JOB
*
```

▶ 개발 환경 구축

✓ 테스트

```
SELECT * FROM EMPLOYEE;
```

EMP_ID	EMP_NAME	EMP_NO	EMAIL	PHONE	DEPT_CODE	JOB_CODE	SAL_LEVEL	SALARY	BONUS	MANAGER_ID	HIRE_DATE	ENT_DATE	ENT_YN
1 200	선동일	621235-1985634	sun_di@kh.or.kr	01099546325	D9	J1	S1	8000000	0.3 (null)		90/02/06	(null)	N
2 201	송중기	631156-1548654	song_jk@kh.or.kr	01045686656	D9	J2	S1	6000000	(null) 200		01/09/01	(null)	N
3 202	노용철	861015-1356452	no_hc@kh.or.kr	01066656263	D9	J2	S4	3700000	(null) 201		01/01/01	(null)	N
4 203	송은희	631010-2653546	song_eh@kh.or.kr	01077607879	D6	J4	S5	2800000	(null) 204		96/05/03	(null)	N
5 204	유재석	660508-1342154	yoo_js@kh.or.kr	01099999129	D6	J3	S4	3400000	0.2 200		00/12/29	(null)	N
6 205	정종하	770102-1357951	jung_jh@kh.or.kr	01036654875	D6	J3	S4	3900000	(null) 204		99/09/09	(null)	N
7 206	박나라	630709-2054321	pack_nr@kh.or.kr	01096935222	D5	J7	S6	1800000	(null) 207		08/04/02	(null)	N
8 207	하미유	690402-2040612	ha_iy@kh.or.kr	01036654488	D5	J5	S5	2200000	0.1 200		94/07/07	(null)	N
9 208	김해솔	870927-1313564	kim_hs@kh.or.kr	01078634444	D5	J5	S5	2500000	(null) 207		04/04/30	(null)	N
10 209	심봉선	750206-1325546	sim_bs@kh.or.kr	0113654485	D5	J3	S4	3500000	0.15 207		11/11/11	(null)	N
11 210	윤은혜	650505-2356985	youn_eh@kh.or.kr	0179964233	D5	J7	S5	2000000	(null) 207		01/02/03	(null)	N
12 211	전형돈	830807-1121321	jun_hd@kh.or.kr	01044432222	D8	J6	S5	2000000	(null) 200		12/12/12	(null)	N
13 212	장프위	780923-2234542	jang_zw@kh.or.kr	01066682224	D8	J6	S5	2550000	0.25 211		15/06/17	(null)	N
14 213	하동운	621111-1785463	ha_dh@kh.or.kr	01158456632	(null)	J6	S5	2320000	0.1 (null)		99/12/31	(null)	N
15 214	방명수	856795-1313513	bang_ms@kh.or.kr	01074127545	D1	J7	S6	1380000	(null) 200		10/04/04	(null)	N
16 215	대복존	881130-1050911	dae_bh@kh.or.kr	01088808584	D5	J5	S4	3760000	(null) (null)		17/06/19	(null)	N
17 216	차태연	770808-1364897	cha_ty@kh.or.kr	01064643212	D1	J6	S5	2780000	0.2 214		13/03/01	(null)	N
18 217	전지연	770808-2665412	jun_jy@kh.or.kr	01033624442	D1	J6	S4	3660000	0.3 214		07/03/20	(null)	N
19 218	미오리	870427-2232123	loo_or@kh.or.kr	01022306545	(null)	J7	S5	2890000	(null) (null)		16/11/28	(null)	N
20 219	임시환	660712-1212123	im_sw@kh.or.kr	(null)	D2	J4	S6	1550000	(null) (null)		99/09/09	(null)	N
21 220	이중석	770823-1113111	lee_js@kh.or.kr	(null)	D2	J4	S5	2490000	(null) (null)		14/09/18	(null)	N
22 221	유하진	800808-1123341	yoo_hj@kh.or.kr	(null)	D2	J4	S5	2480000	(null) (null)		94/01/20	(null)	N
23 222	이태림	760918-2854697	lee_tr@kh.or.kr	01033000002	D8	J6	S5	2436240	0.35 100		97/09/12	17/09/12	Y