

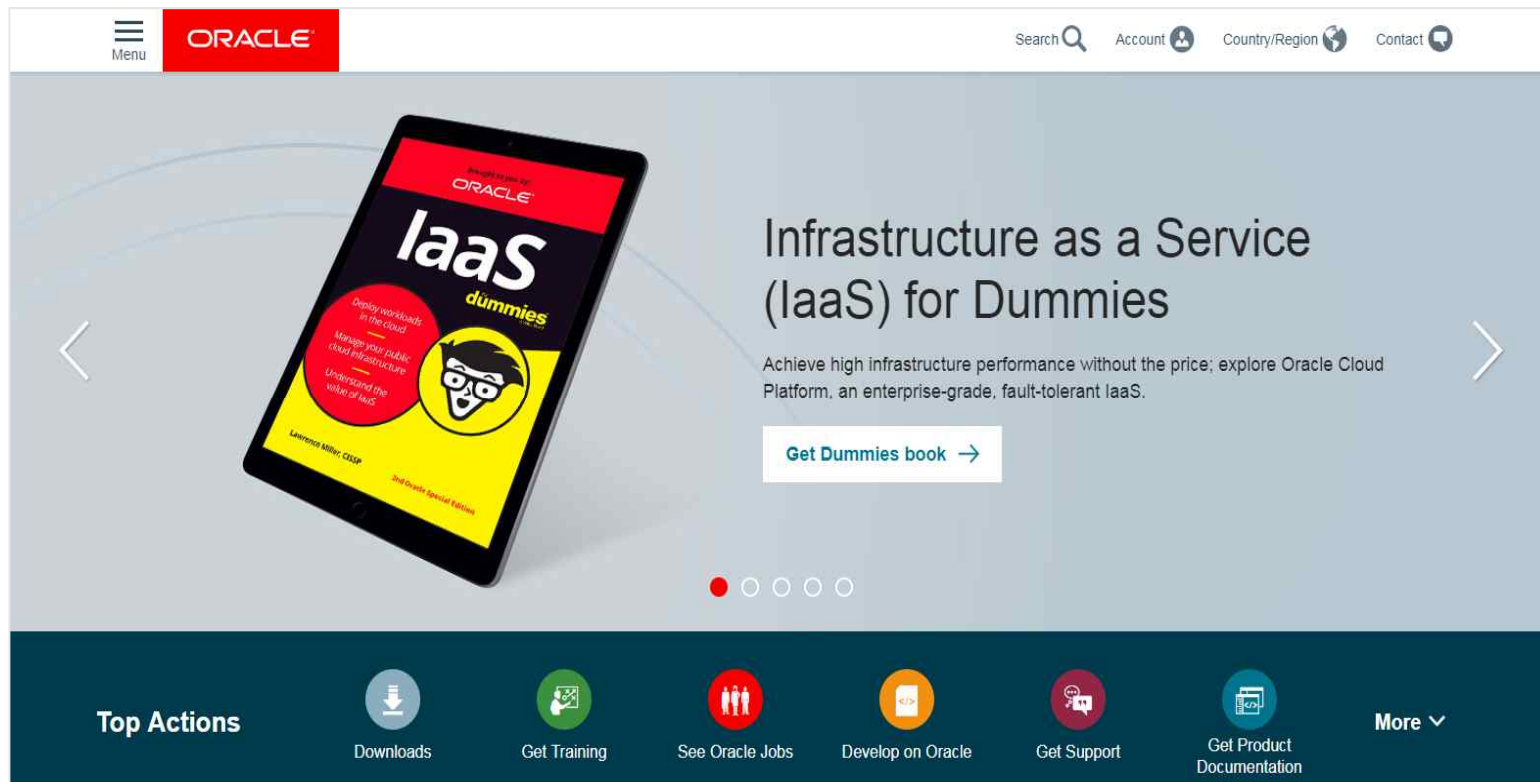
개발환경구축 (Oracle 11g XE)

▶ 개발 환경 구축 순서

1. 오라클 홈페이지(www.oracle.com) 접속
2. Downloads – 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



▶ 개발 환경 구축

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 Database

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✓ Oracle 홈페이지 접속 및 다운로드

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Downloads

Oracle Database Software Downloads

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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

The screenshot shows the Oracle Technology Network (OTN) website. The top navigation bar includes the Oracle logo, a search bar, and links for Account, Country/Region, and Contact. The breadcrumb trail reads: Oracle Technology Network / Database / Database A - Z / Database Express Edition / Downloads. On the left, a sidebar menu lists various database features. The main content area is titled 'Oracle Database XE Prior Release Archive' and displays the 'Oracle Database Express Edition (XE) Release 11.2.0.2.0 (11gR2)'. A license agreement section is present, with the 'Accept License Agreement' radio button selected and highlighted by a red box. Below this, three download links are listed for different operating systems: Windows x64, Windows x32, and Linux x64. Each link is accompanied by a 'Download' button, with the first one highlighted by a red box. A note for each download instructs the user to unzip the file and run the setup executable. On the right side of the page, there are two promotional banners: 'Live SQL' and 'Try Database in the Cloud for Free'.

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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.

☒ **Accept** License Agreement | ☐ **Decline** License Agreement

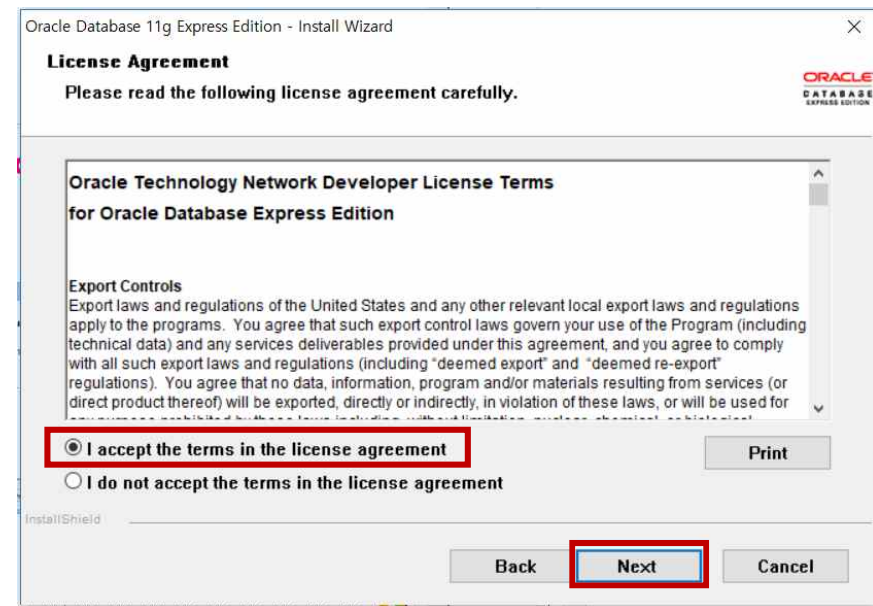
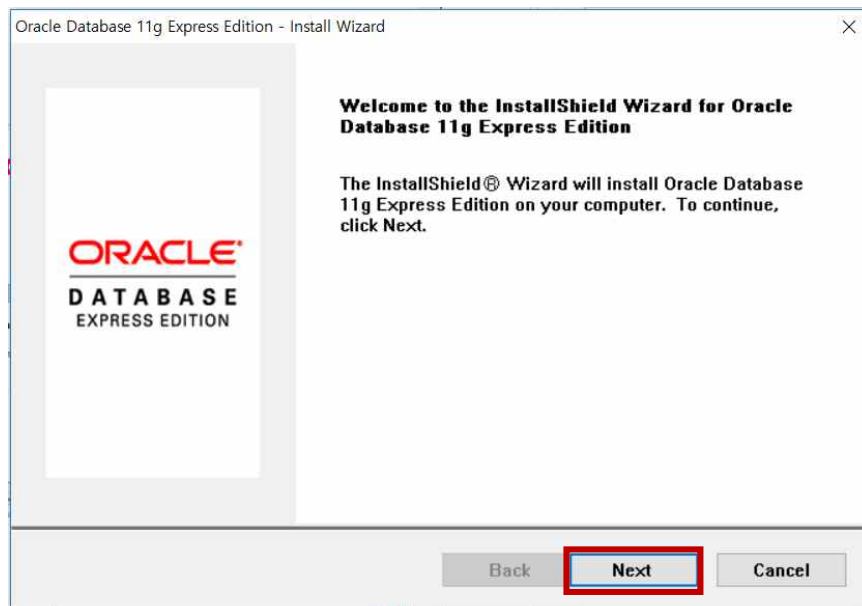
- Oracle Database 11gR2 Express Edition for Windows x64 [Download](#)
{Note: Unzip the download and run the DISK1/setup.exe}
- Oracle Database 11gR2 Express Edition for Windows x32 [Download](#)
{Note: Unzip the download and run the DISK1/setup.exe}
- Oracle Database 11gR2 Express Edition for Linux x64 [Download](#)
{Note: Unzip the download and the RPM file can be installed as normal}

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Oracle Database 18c
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▶ 개발 환경 구축

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▶ 개발 환경 구축

✓ 설치 및 암호 설정

Oracle Database 11g Express Edition - Install Wizard

Choose Destination Location

Select folder where setup will install files.

Setup will install Oracle Database 11g Express Edition in the following folder.

To install to this folder, click Next. To install to a different folder, click Browse and select another folder.

☒ Oracle Database 11g Express Edition 631124 K

Destination Folder
C:\Woraclexe\# Browse...

Space Required on C: 631124 K
Space Available on C: 193406312 K

Back **Next** Cancel

Oracle Database 11g Express Edition - Install Wizard

Specify Database Passwords

Enter and confirm passwords for the database. This password will be used for both the SYS and the SYSTEM database accounts.

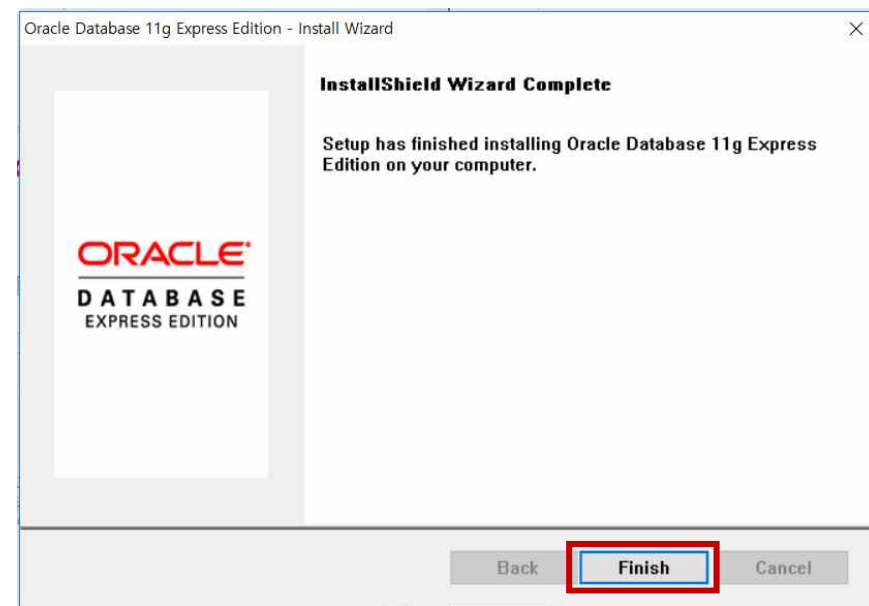
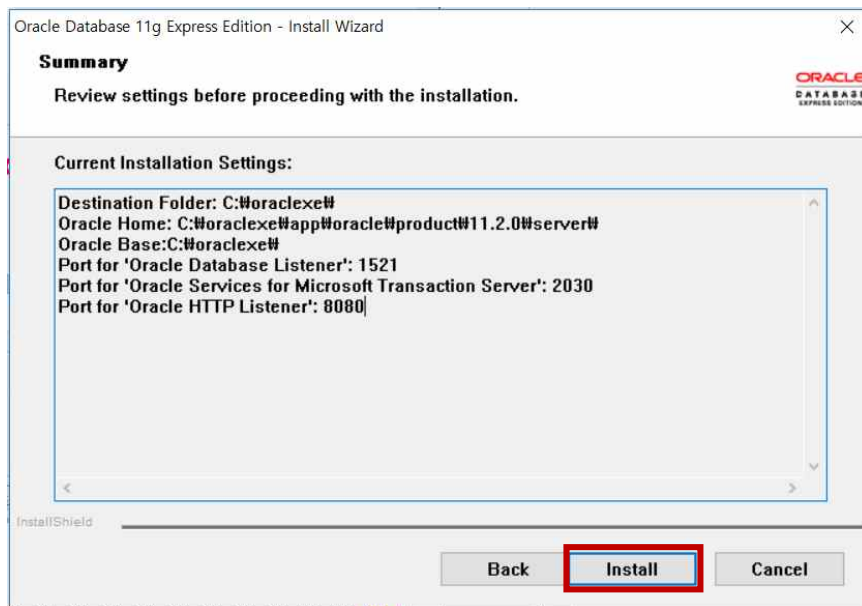
Enter Password

Confirm Password

Back **Next** Cancel

▶ 개발 환경 구축

✓ 설치 및 암호 설정



▶ 개발 환경 구축

✓ 설치 및 암호 설정

```
명령 프롬프트 - sqlplus
Microsoft Windows [Version 10.0.17134.706]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\ParkSinwoo>sqlplus

SQL*Plus: Release 11.2.0.2.0 Production on 목 5월 2 15:08:48 2019

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

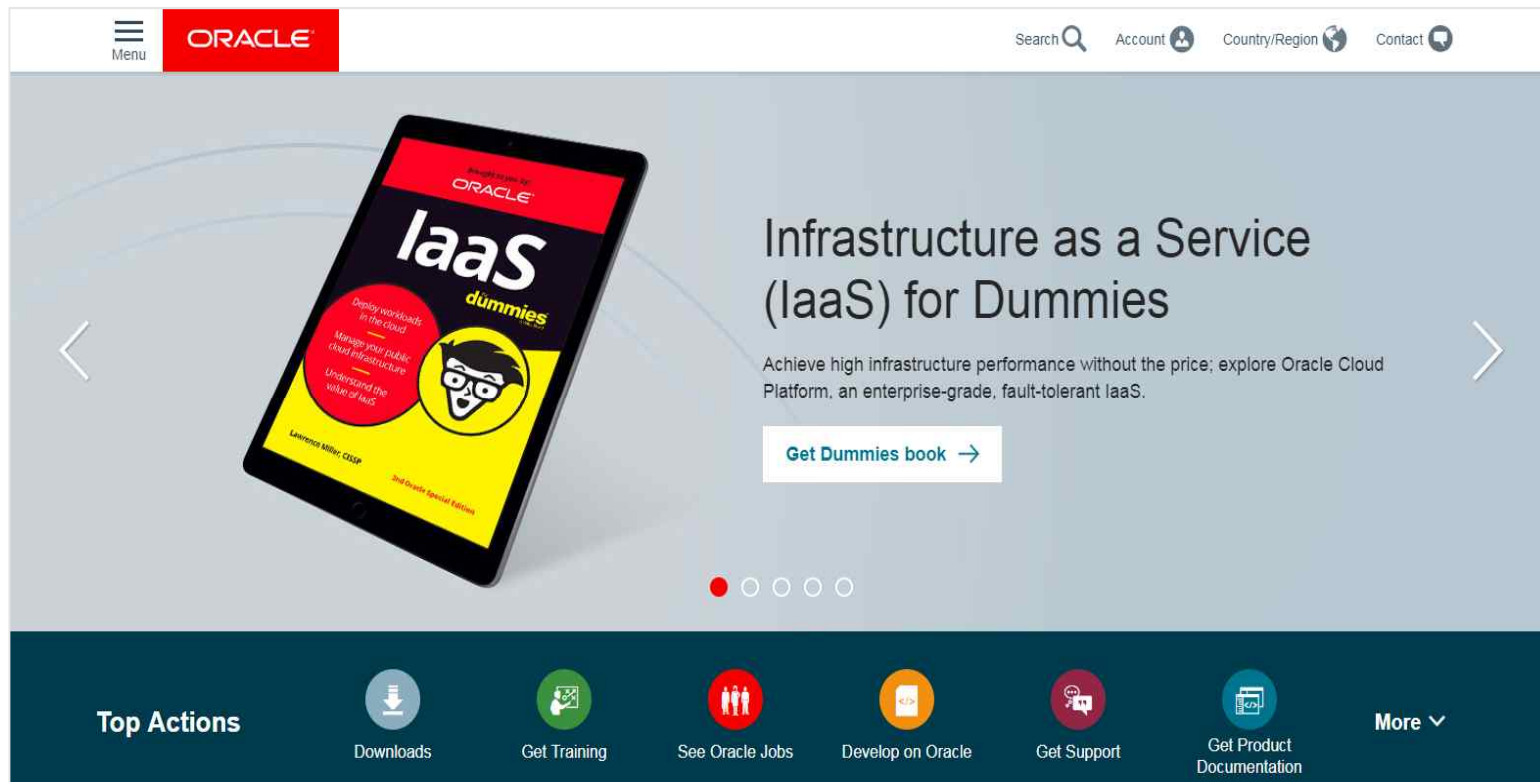
Enter user-name:
```

▶ SQL Developer 설치 순서

1. 오라클 홈페이지(www.oracle.com) 접속
2. Download – SQL Developer 다운로드
3. 압축 해제 후 바로 실행

▶ SQL Developer 설치

✓ Oracle 홈페이지 접속 및 다운로드



▶ SQL Developer 설치

✓ Oracle 홈페이지 접속 및 다운로드

Developer Tools

→ ADF Faces

→ Application Express Standalone

→ BI Publisher

→ BPEL Process Manager

→ 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

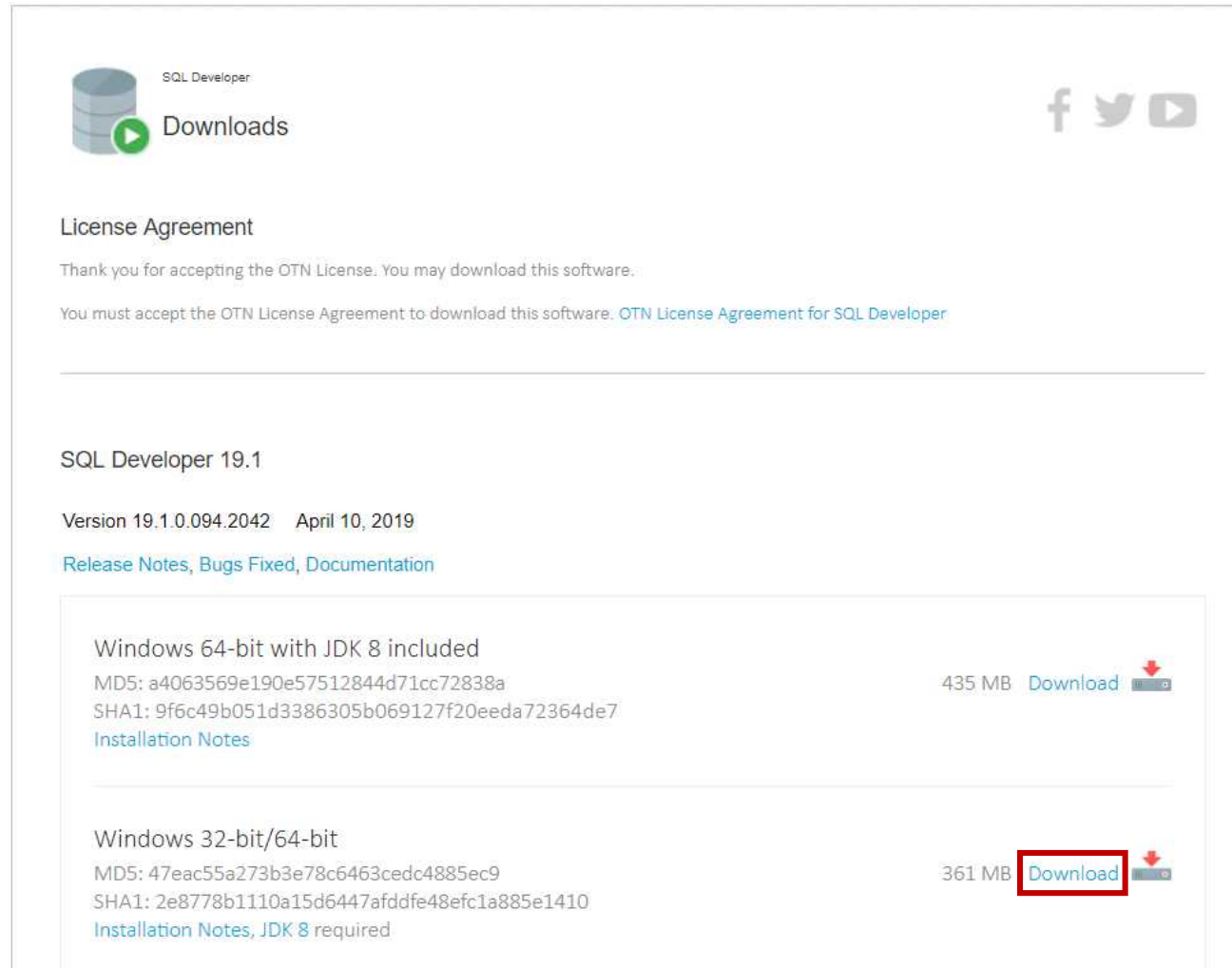
→ VM: Oracle VM Templates

→ Warehouse Builder

→ WebRTC Session Controller Client SDK

▶ SQL Developer 설치

✓ Oracle 홈페이지 접속 및 다운로드



The screenshot shows the Oracle SQL Developer Downloads page. At the top, there is a header with the 'SQL Developer' logo and a 'Downloads' button. To the right of the header are social media icons for Facebook, Twitter, and YouTube. Below the header, there is a 'License Agreement' section with a thank you message and a link to the 'OTN License Agreement for SQL Developer'. The main content area is titled 'SQL Developer 19.1' and includes the version '19.1.0.094.2042' and the date 'April 10, 2019'. There are links for 'Release Notes', 'Bugs Fixed', and 'Documentation'. Below this, there are two download options: 'Windows 64-bit with JDK 8 included' (435 MB) and 'Windows 32-bit/64-bit' (361 MB). The 'Download' button for the 32-bit/64-bit option is highlighted with a red box.

SQL Developer Downloads

License Agreement

Thank you for accepting the OTN License. You may download this software.

You must accept the OTN License Agreement to download this software. [OTN License Agreement for SQL Developer](#)

SQL Developer 19.1

Version 19.1.0.094.2042 April 10, 2019

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

Windows 64-bit with JDK 8 included

MD5: a4063569e190e57512844d71cc72838a

SHA1: 9f6c49b051d3386305b069127f20eeda72364de7

[Installation Notes](#)

435 MB [Download](#)

Windows 32-bit/64-bit

MD5: 47eac55a273b3e78c6463cedc4885ec9

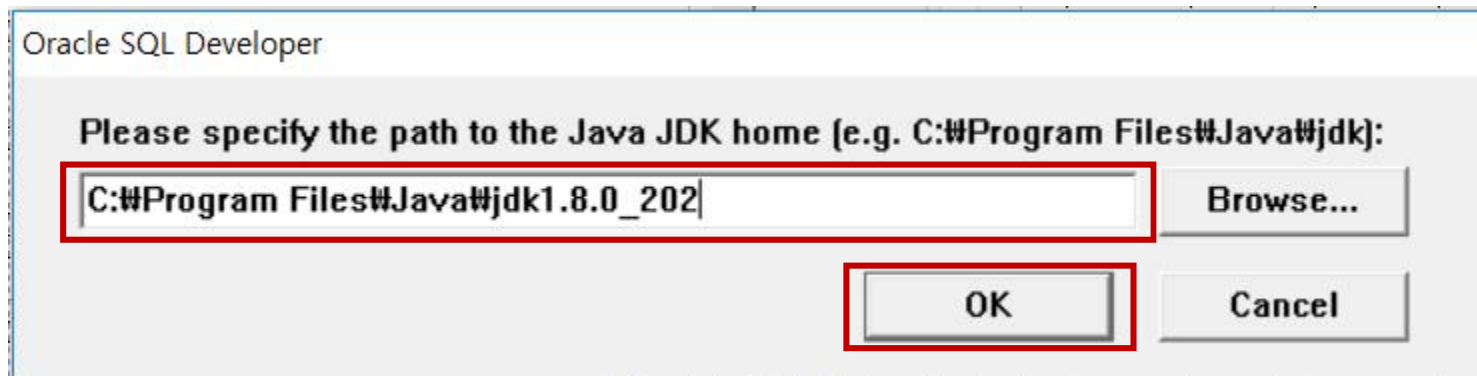
SHA1: 2e8778b1110a15d6447afddfe48efc1a885e1410

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

361 MB [Download](#)

▶ SQL Developer 실행

✓ JDK 경로 설정



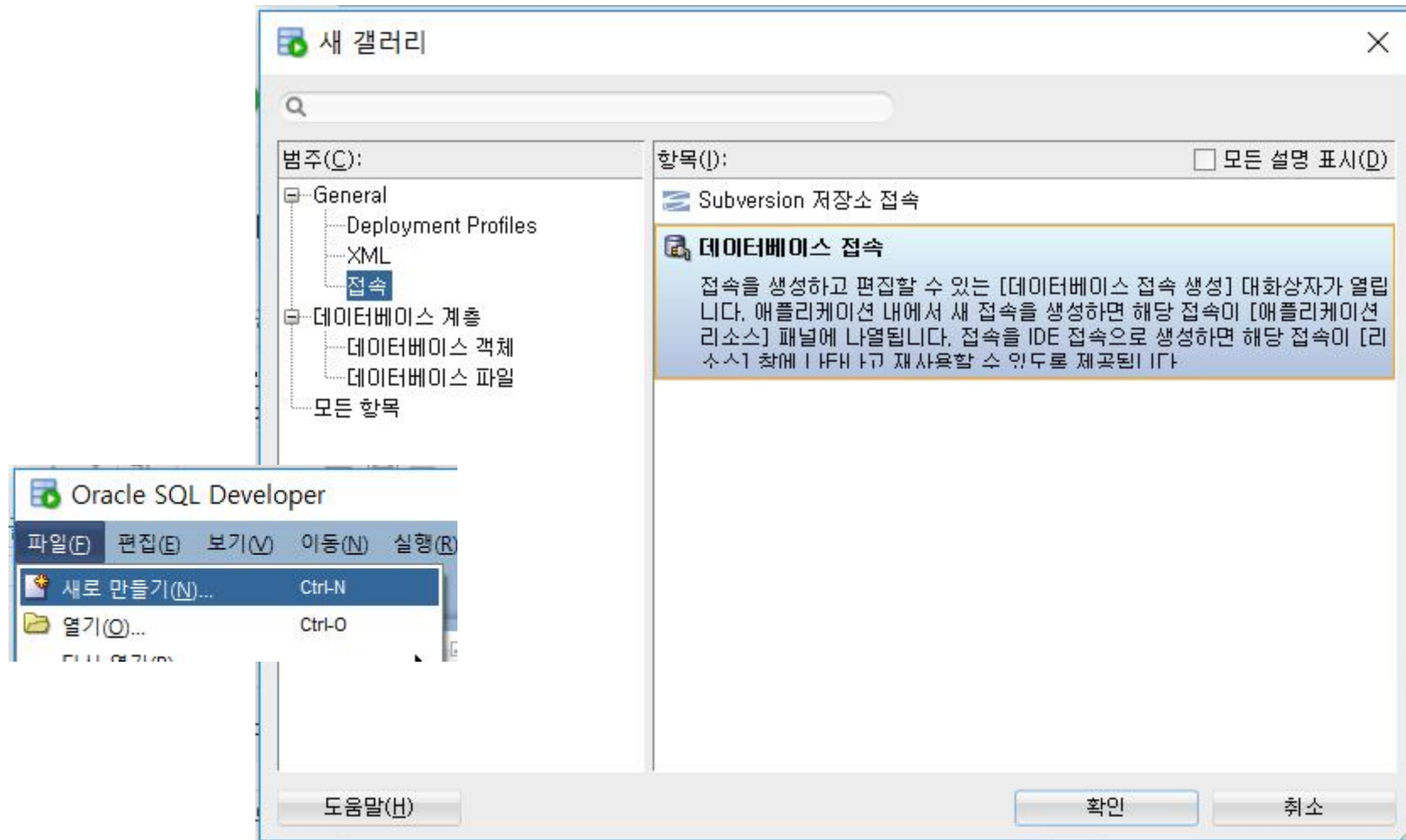
▶ SQL Developer 실행

✓ 메인



▶ SQL Developer 실행

✓ 접속 설정



▶ SQL Developer 실행

✓ 접속 설정

새로 만들기/데이터베이스 접속 선택

접속 이름 접속 세부정보

Name SYSTEM

데이터베이스 유형 Oracle

사용자 정보 프록시 사용자

인증 유형 기본값

사용자 이름(U) sys as sysdba 롤(L) 기본값

비밀번호(P) ☐ 비밀번호 저장(V)

접속 유형(Y) 기본

세부정보 고급

호스트 이름(A) localhost

포트(B) 1521

☒ SID(I) xe

☐ 서비스 이름(E)

상태: 성공

도움말(H) 저장(S) 지우기(C) 테스트(T) 접속(O) 취소

▶ SQL Developer 실행

✓ 접속 성공

The screenshot shows the Oracle SQL Developer interface with the following components:

- Left Panel (DB 정보):** Displays the database structure for the WEB_SCOTT schema, including tables like EMP, DEPT, and BONUS. A red box highlights this area with the text "DB 정보".
- Central Workspace (질의 작성 워크시트):** A large area for writing SQL queries. It contains the text "질의 작성 워크시트" and a query: `SELECT * FROM EMP;`
- Bottom Panel (질의 결과):** Displays the results of the query. It shows a table with 12 rows of employee data. A red box highlights this area with the text "질의 결과".

질의 결과 (Query Results):

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369 SMITH	CLERK	7902	80/12/17	800	(null)	20
2	7499 ALLEN	SALESMAN	7698	81/02/20	1600	300	30
3	7521 WARD	SALESMAN	7698	81/02/22	1250	500	30
4	7566 JONES	MANAGER	7839	81/04/02	2975	(null)	20
5	7654 MARTIN	SALESMAN	7698	81/09/28	1250	1400	30
6	7698 BLAKE	MANAGER	7839	81/05/01	2850	(null)	30
7	7782 CLARK	MANAGER	7839	81/06/09	2450	(null)	10
8	7839 KING	PRESIDENT	(null)	81/11/17	5000	(null)	10
9	7844 TURNER	SALESMAN	7698	81/09/08	1500	0	30
10	7900 JAMES	CLERK	7698	81/12/03	950	(null)	30
11	7902 FORD	ANALYST	7566	81/12/03	3000	(null)	20
12	7934 MILLER	CLERK	7782	82/01/23	1300	(null)	10

▶ 계정 생성 및 접속

✓ 새로운 계정 만들기

CREATE USER KH IDENTIFIED BY KH;
GRANT RESOURCE, CONNECT TO KH;

✓ 생성한 계정 접속

시스템 계정, 로그인과 동일한 방식으로 생성한 계정에 로그인

✓ 실습 스크립트 실행

실습 스크립트 내용을 복사해 질의 작성 워크시트에 붙여 넣고 실행

▶ 테스트

SELECT * FROM EMPLOYEE;

	EMP_ID	EMP_NAME	EMP_NO	EMAIL	PHONE	HIRE_DATE	JOB_ID	SALARY	BONUS_PCT	MARRIAGE	MGR_ID	DEPT_ID
1	100	한선기	621133-1483658	sg_ahn@kkk.com	0199949999	90/04/01	J1	9000000	0.2	Y	(null)	90
2	101	강종훈	621136-1006405	jh_park@kkk.com	0193334433	04/04/30	J2	5500000	(null)	Y	100	90
3	102	최만식	861011-1940062	ms_choi@kkk.com	0198879908	95/12/30	J2	3600000	(null)	Y	101	90
4	103	정도연	631127-2519077	sy_kang@kkk.com	0196654436	97/06/03	J4	2600000	(null)	Y	104	60
5	104	안석규	651031-1962810	sg_han@kkk.com	0192347654	98/07/01	J3	3500000	0.25	Y	100	60
6	107	조재형	721128-1732822	jh_jo@kkk.com	0193325548	98/11/23	J3	3800000	(null)	Y	104	60
7	124	정지현	641231-2269080	jih_jeon@kkk.com	01922976129	04/07/15	J7	1500000	(null)	N	141	50
8	141	김예수	651122-2592930	hs_kim@kkk.com	0194087600	01/03/20	J5	2100000	0.1	Y	100	50
9	143	나승원	871024-1945881	sw_cha@kkk.com	0197243979	01/03/20	J5	2300000	(null)	Y	141	50
10	144	김순미	741122-2515789	sm_kim@kkk.com	0192213306	99/10/20	J3	3400000	0.1	Y	141	50
11	149	성해교	640524-2148639	hg_song@kkk.com	01992882295	03/08/16	J7	1900000	(null)	N	141	50
12	174	전우성	821121-1660412	ws_jeong@kkk.com	0193243388	02/07/14	J6	2090000	(null)	Y	100	80
13	176	엄정하	791217-2230420	jh_um@kkk.com	0194769665	04/07/21	J6	2420000	0.2	Y	174	80
14	178	심하균	611121-1673370	hk_shin@kkk.com	0197122111	04/09/30	(null)	2300000	0.3	Y	(null)	(null)
15	200	고승우	840217-1776881	sw_jo@kkk.com	0193475512	03/04/11	J7	1500000	(null)	Y	100	10
16	201	박하일	891225-1069101	hi_park@kkk.com	01951564413	04/11/10	J5	2600000	(null)	Y	(null)	50
17	202	권상후	790331-1662986	sw_kwon@kkk.com	0196640090	01/05/20	J6	3410000	0.2	Y	200	10
18	205	임영애	790833-2105839	jangum_lee@kkk.com	0191132477	00/01/31	J6	2640000	0.15	N	200	10
19	206	염정하	860122-2785746	jh_yeum@kkk.com	01997546623	03/09/17	J7	1500000	(null)	Y	(null)	(null)
20	207	김술오	640226-1358242	so_kim@kkk.com	(null)	96/10/01	J4	2500000	(null)	Y	(null)	20
21	208	이중기	790411-1452247	jk_lee@kkk.com	(null)	04/10/01	J4	2500000	(null)	Y	(null)	20
22	210	감우섭	700813-1766819	manofking@kkk.com	(null)	05/07/31	J4	2500000	(null)	Y	(null)	20