

Oracle 19c Installation Guide

Introduction to Database

SKKU VLDB Lab.

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Contents

1. Prerequisite
2. Install Guide
3. Activate Scott and HR Schema
4. FAQ

1. Prerequisite (1)

- Environment
 - OS : Windows 10
 - Free disk space for installation
 - Minimum : 500MB
 - Recommend : 10GB
 - Memory
 - Minimum : 1GB
 - Recommend : 4GB
- If you are Mac OS User, recommend using **Virtual Box**
 - Refer to :
<https://www.databasestar.com/oracle-mac/>

1. Prerequisite (2)

- Download Installation File for Windows
 - <http://www.oracle.com/technetwork/database/in-memory/downloads/index.html>

Oracle Database Software Downloads


Software Delivery Cloud

Oracle also provides all supported database release software for all platforms on the Oracle Software Delivery Cloud: <https://edelivery.oracle.com>





Oracle Database 19c

Oracle Database 19c is the latest Long Term Release with the widest window of support duration. For details about database releases and their support timeframes, refer to [Oracle Support Document 742060.1](#) (Release Schedule of Current Database Releases) on My Oracle Support.

19.5 - Enterprise Edition (also includes Standard Edition 2)

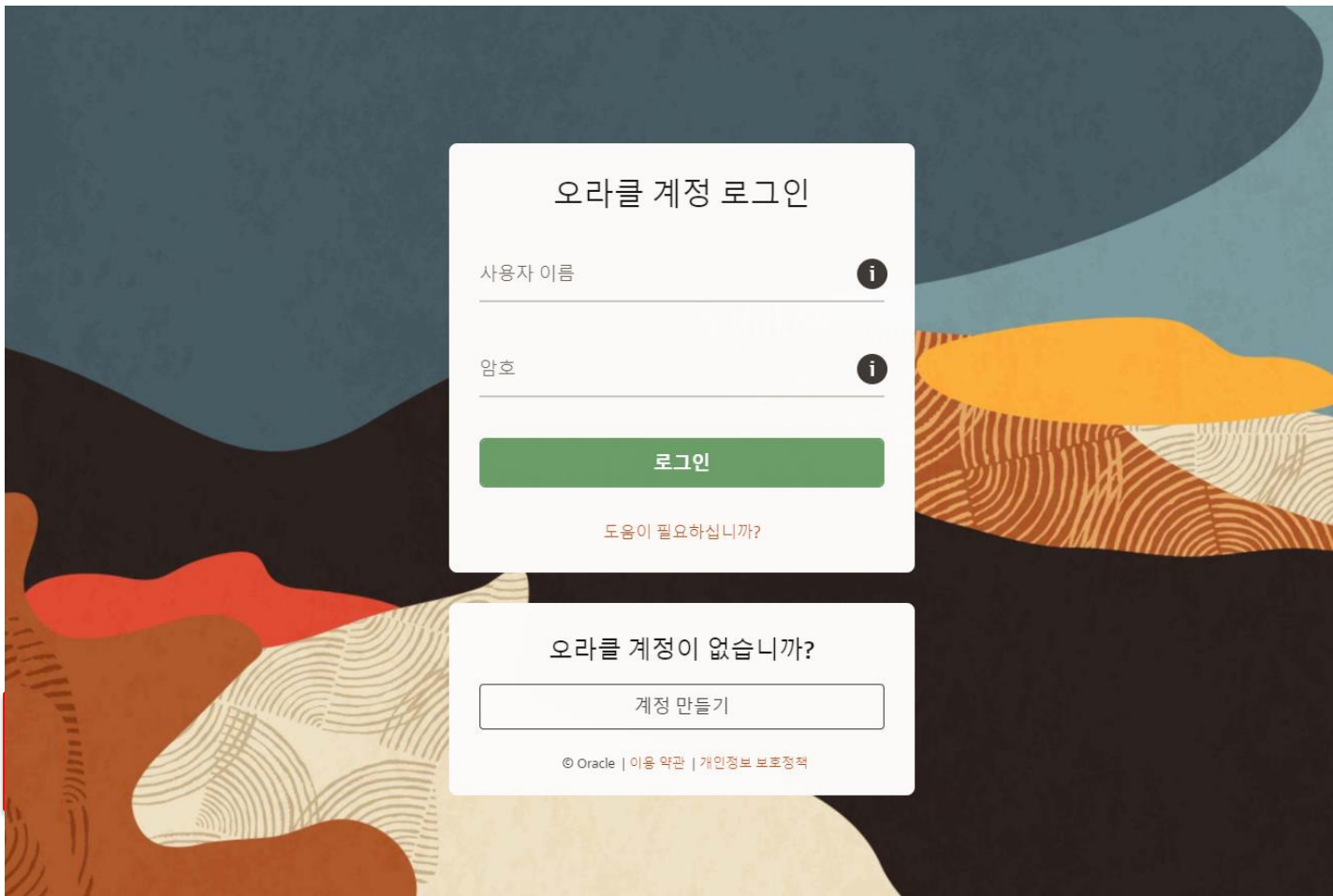
Name	Download	Note
Oracle Solaris (x86 systems, 64-bit)	 ZIP (2.7 GB)	See All

19.3 - Enterprise Edition (also includes Standard Edition 2)

Name	Download	Note
Microsoft Windows x64 (64-bit)	 ZIP (2.9 GB)	See All
Linux x86-64	 ZIP (2.8 GB)  RPM (2.5 GB)	See All
Oracle Solaris (SPARC systems, 64-bit)	 ZIP (2.8 GB)	See All

1. Prerequisite (3)

- Log in and download installation .zip file

The image shows the Oracle account login page. It features a white login form centered on a dark background with abstract orange and blue shapes. The form has two input fields for '사용자 이름' (Username) and '암호' (Password), each with an information icon. A green '로그인' (Login) button is below the fields. A link '도움이 필요하신가요?' (Need help?) is at the bottom of the form. Below the login form is a separate box with the text '오라클 계정이 없습니까?' (Don't have an Oracle account?) and a '계정 만들기' (Create account) button. At the very bottom, there is a small copyright notice: '© Oracle | 이용 약관 | 개인정보 보호정책' (© Oracle | Terms of Use | Privacy Policy).

오라클 계정 로그인

사용자 이름 ⓘ

암호 ⓘ

로그인

도움이 필요하신가요?

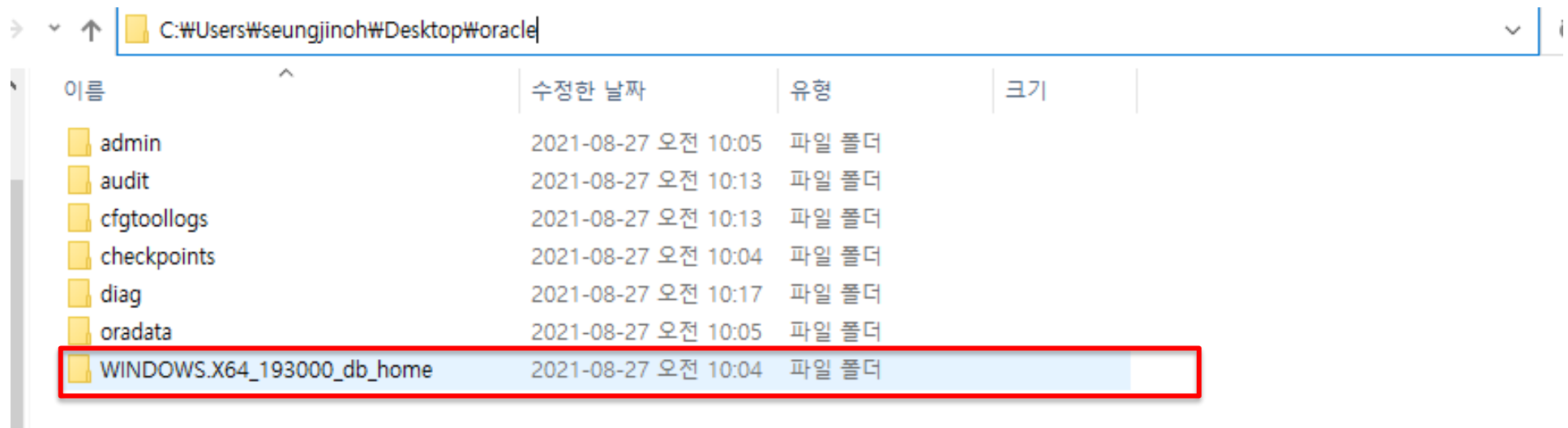
오라클 계정이 없습니까?

계정 만들기

© Oracle | 이용 약관 | 개인정보 보호정책

1. Prerequisite (4)

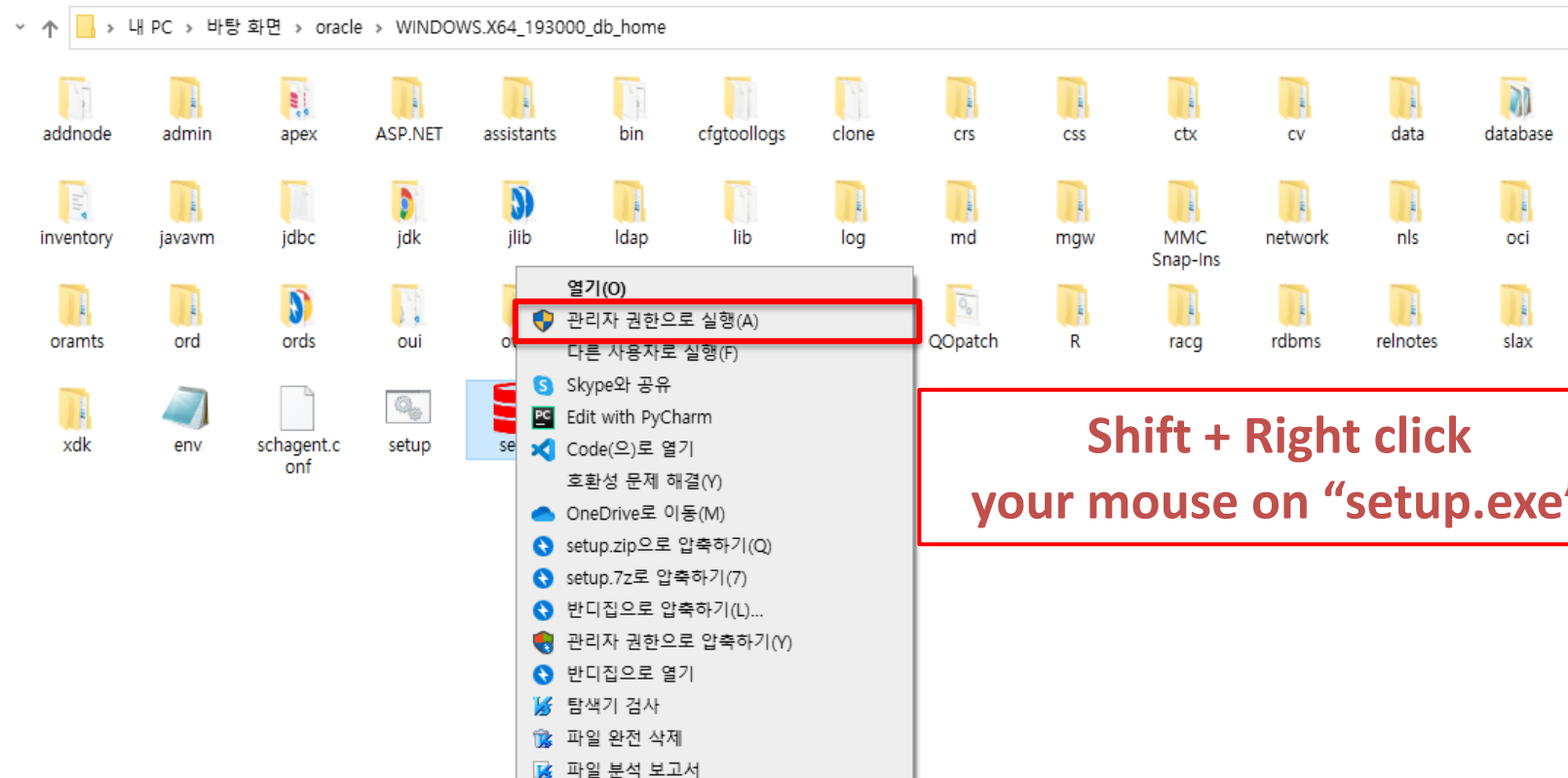
- Create oracle directory at Desktop
- Unzip “WINDOWS.X64....zip” file to oracle directory



****The directory path must not contain spaces or Korean.**

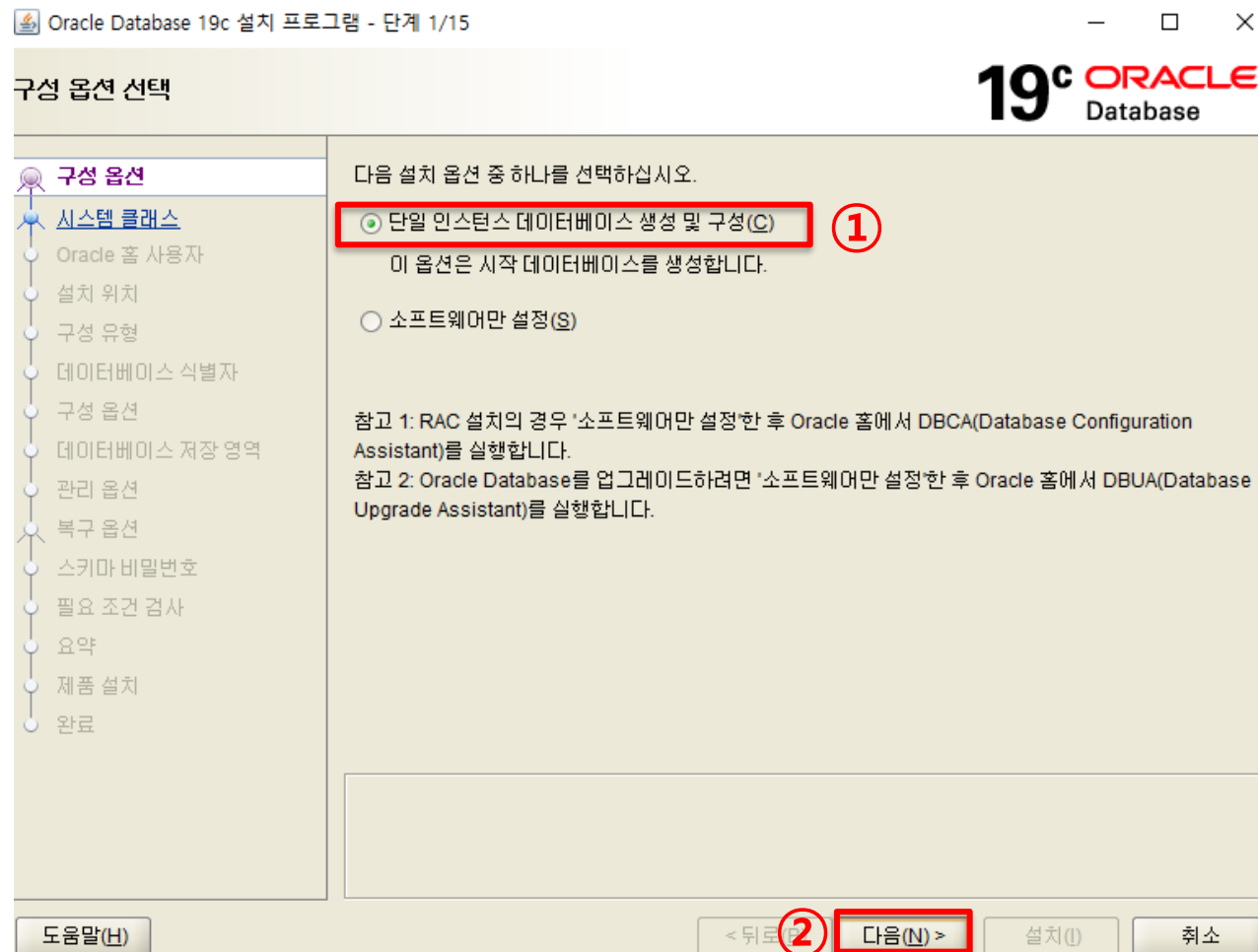
2. Install Guide (1)

- Execute **setup.exe with Administrator privilege**



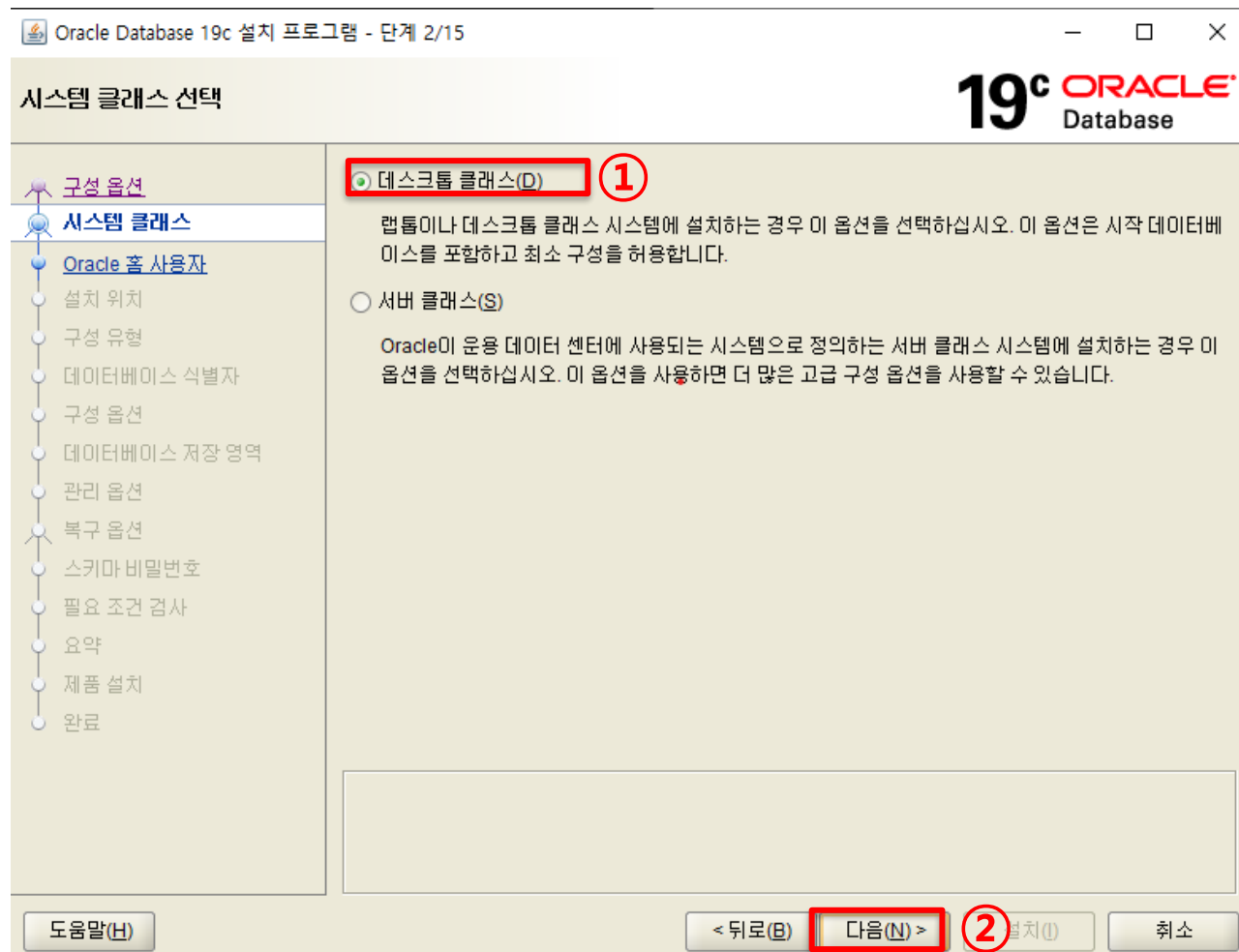
2. Install Guide (2)

- Check “**Single instance database configuration**”



2. Install Guide (3)

- Check “**Desktop Class**”



2. Install Guide (4)

- Check “**Use Virtual account**”

Oracle Database 19c 설치 프로그램 - 단계 3/15

Oracle 홈 사용자 지정

19^c ORACLE Database

구성 옵션
시스템 클래스
Oracle 홈 사용자
설치 위치
구성 유형
데이터베이스 식별자
구성 옵션
데이터베이스 저장 영역
관리 옵션
복구 옵션
스키마 비밀번호
필요 조건 검사
요약
제품 설치
완료

보안 향상을 위해 관리자가 아닌 계정으로 이 Oracle 홈에서 Windows 서비스를 실행하도록 선택할 수 있습니다. Oracle은 이러한 용도를 위해 가상 계정을 선택하거나 표준 Windows 사용자 계정을 지정할 것을 권장합니다.

☒ 가상 계정 사용(V) ①

☐ 기존 Windows 사용자 사용(X)

사용자 이름(U):

비밀번호(P):

☐ 새 Windows 사용자 생성(C)

사용자 이름(S):

비밀번호(A):

비밀번호 확인(O):

새로 생성된 사용자의 Windows 로그인 권한이 거부되었습니다.

☐ Windows 내장 계정 사용(L)

도움말(H) < 뒤로(B) **다음(N) >** ② 설치(I) 취소

2. Install Guide (5)

- Type **password** for your oracle database (Don't forget your pw)
- **Disable checkbox “Create as container database”**

Oracle Database 19c 설치 프로그램 - 단계 4/8

일반 설치 구성

19^c ORACLE Database

구성 옵션
시스템 클래스
Oracle 홈 사용자
기본 설치
필요 조건 검사
요약
제품 설치
완료

Oracle Base(S): C:\Users\seungjinoh\Desktop\oracle [찾아보기(R)...]

So C:\Users\seungjinoh\Desktop\oracle\WINDOWS.X64_
ftw 193000_db_home
ar
e
loc
ati
on
:

데이터베이스 파일 위치(D): C:\Users\seungjinoh\Desktop\oracle\oradata [찾아보기(W)...]

데이터베이스 버전(E): Enterprise Edition

문자 집합(T): 유니코드 (AL32UTF8)

전역 데이터베이스 이름(G): orcl

비밀번호(P): 비밀번호 확인(C):

☐ 컨테이너 데이터베이스로 생성(M)

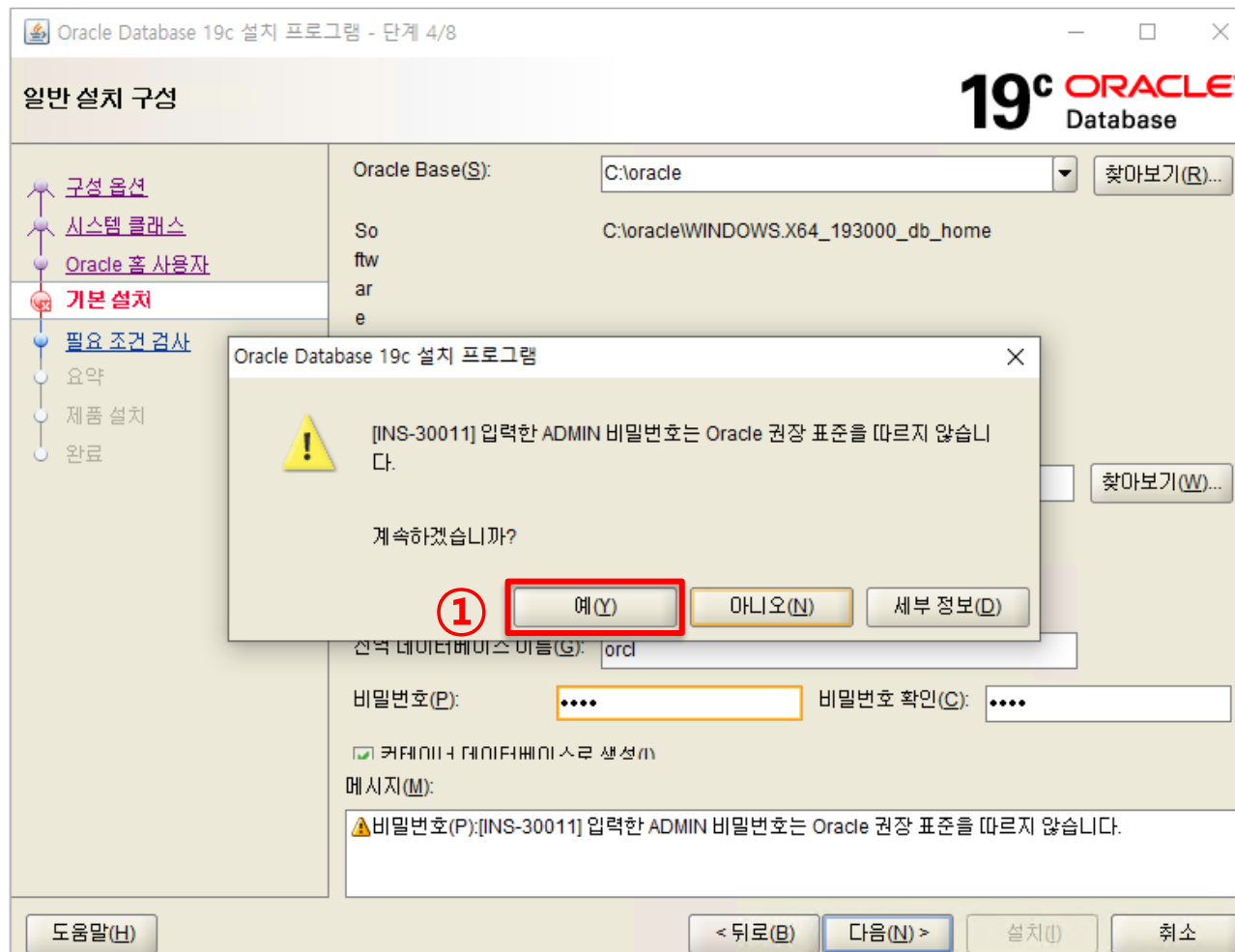
메시지(M):

⚠ 비밀번호(P):[INS-30011] 입력한 ADMIN 비밀번호는 Oracle 권장 표준을 따르지 않습니다.

도움말(H) < 뒤로(B) 다음(N) > 설치(I) 취소

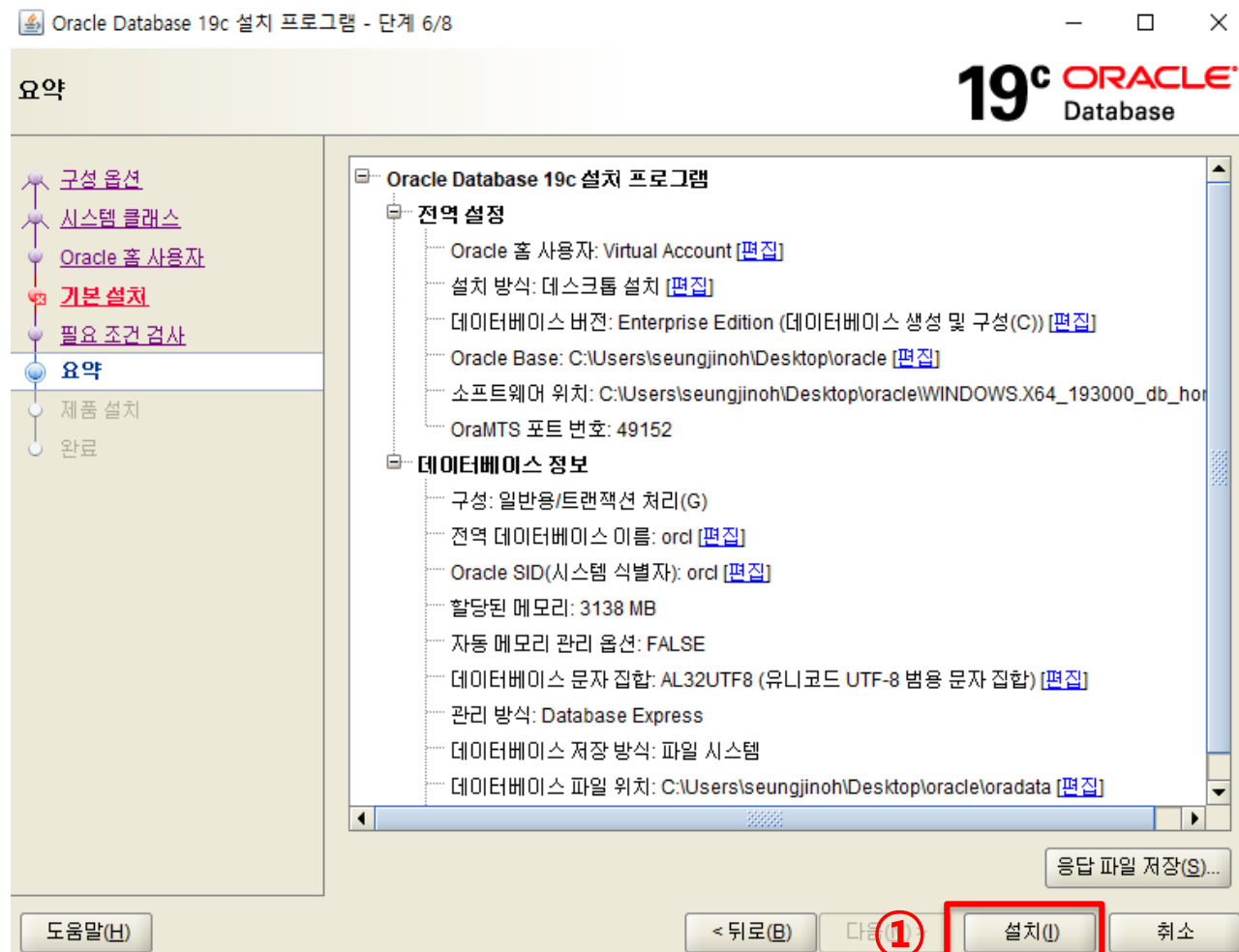
2. Install Guide (6)

- Ignore the warning



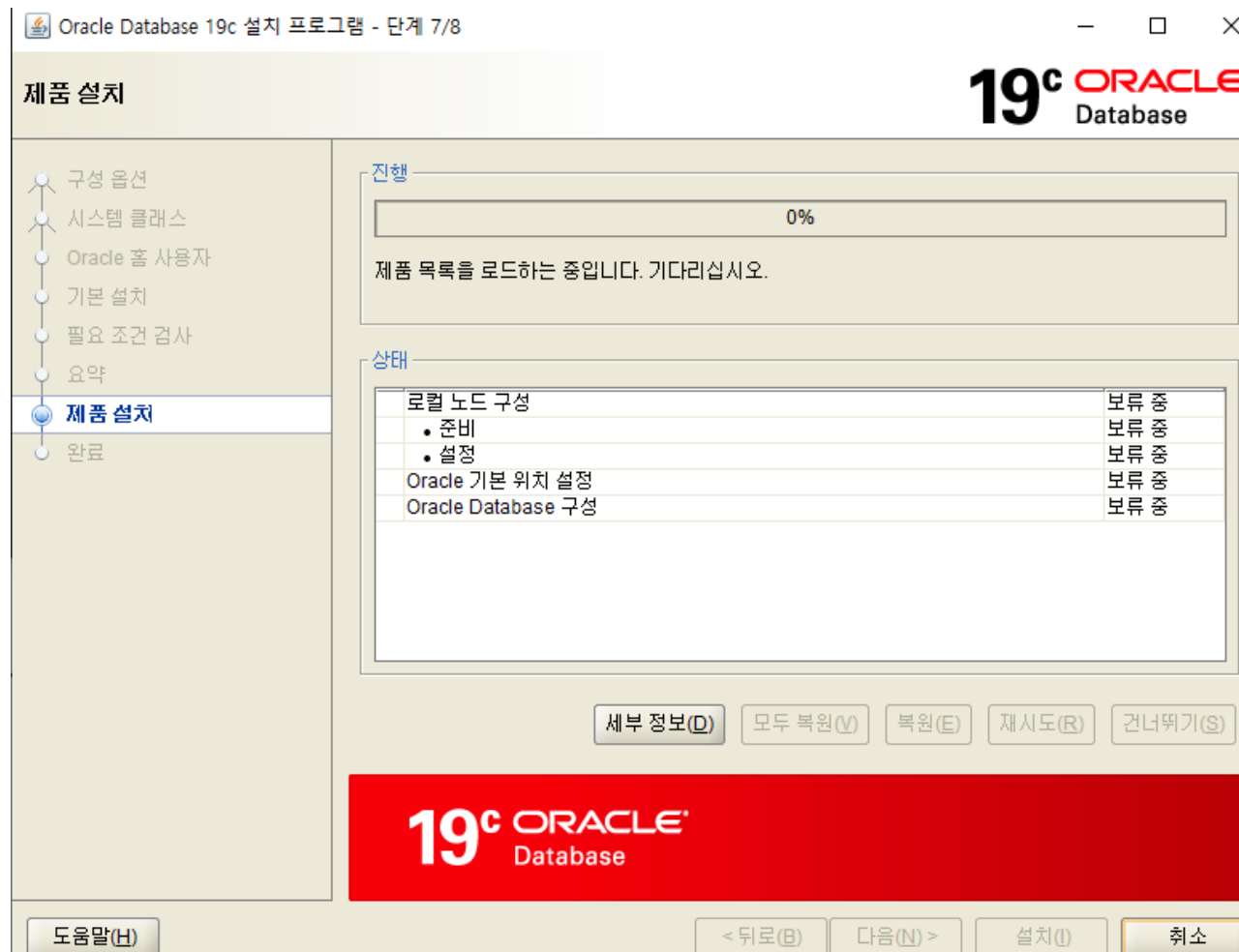
2. Install Guide (7)

- Oracle installer shows approx. of installation. Click install button.



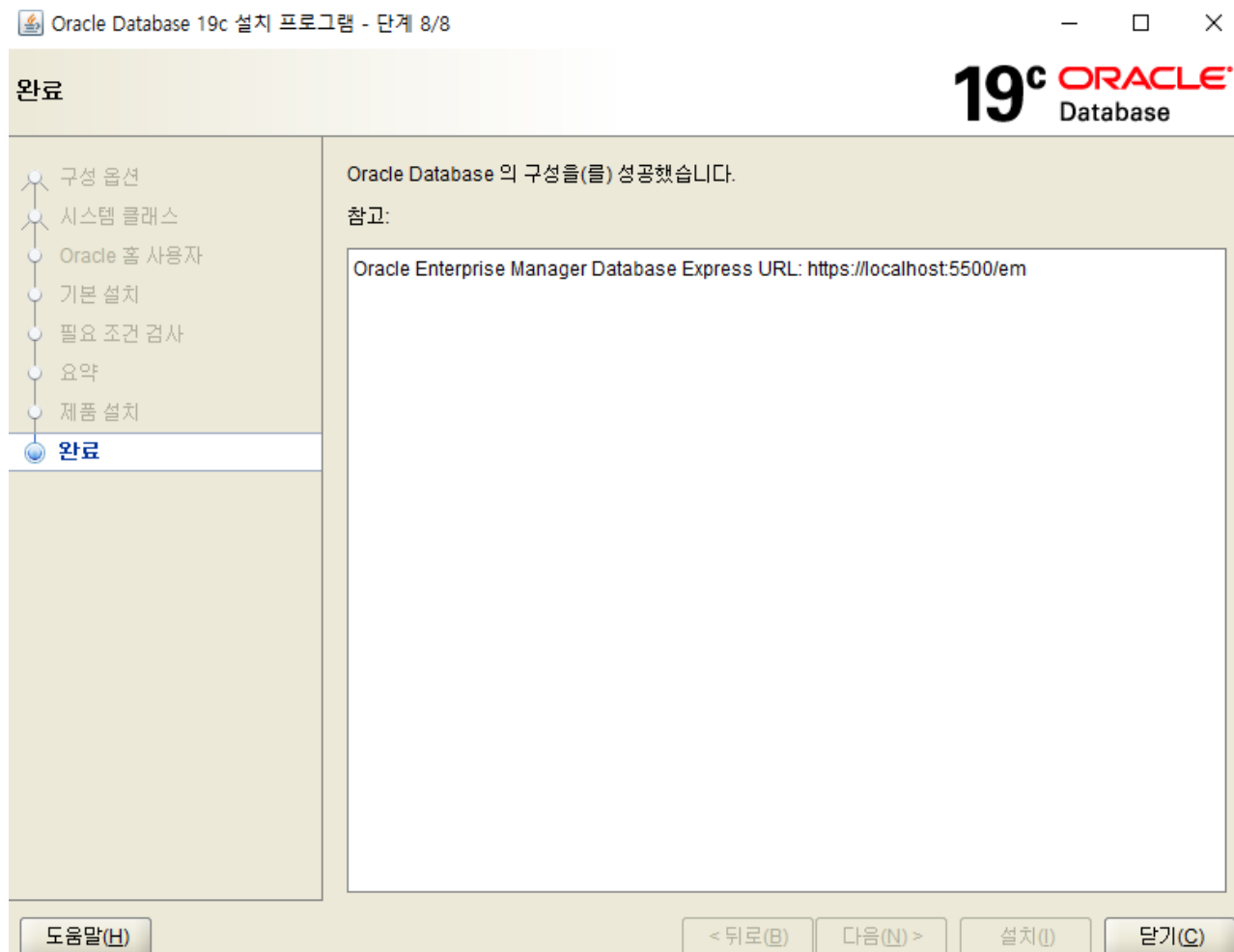
2. Install Guide (8)

- It takes 5~10 minutes. **DO NOT QUIT** the installation



2. Install Guide (9)

- Done, We can use Oracle database



3. Activation SCOTT/HR account (1)

- SCOTT and HR account are example account in Oracle.
- Now, we will unlock these accounts

TODOs :

- 1. Unlock account**
- 2. Activate account**

3. Activation SCOTT/HR account (2)

- Open Window CMD (Command prompt)
- Input command for Activation SCOTT
 - Try alter HR account in same way

sqlplus /no log

Refer to next slide

conn / as sysdba

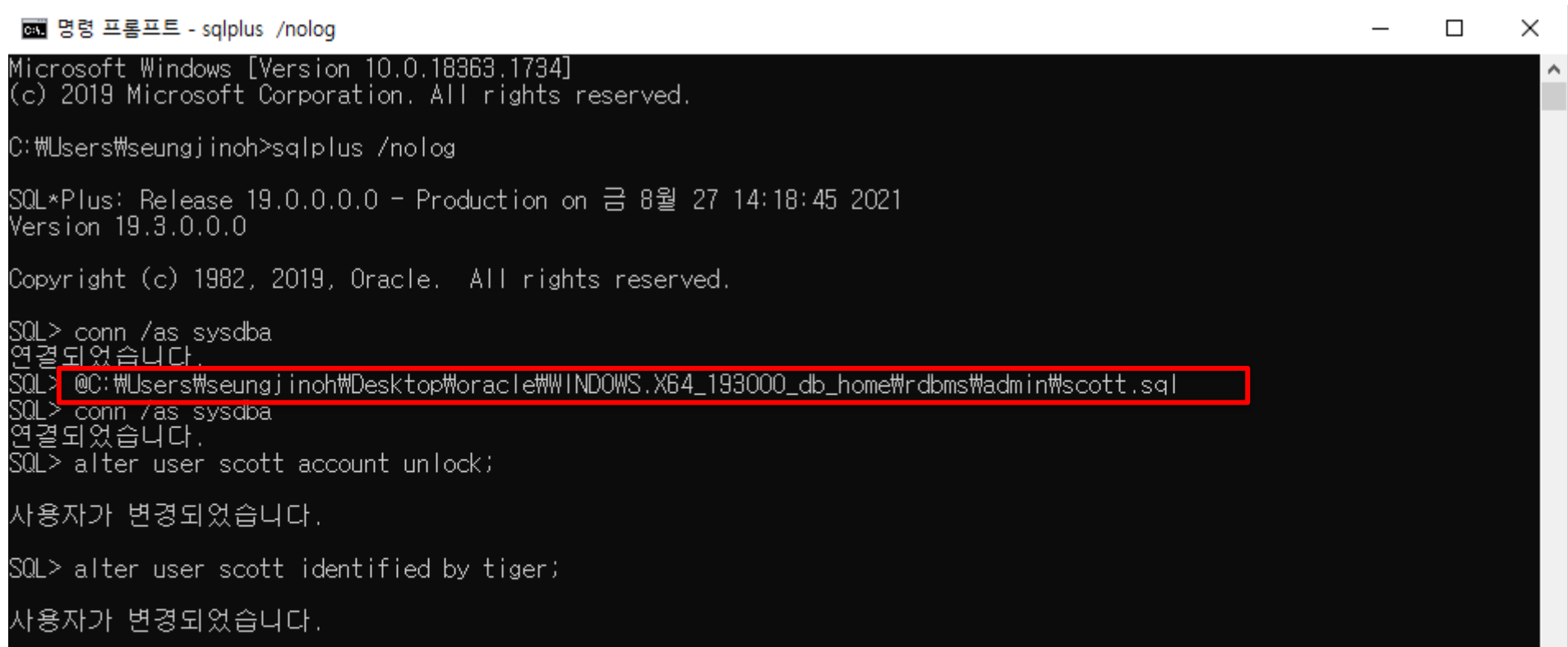
execute scott.sql

alter user scott account unlock;

alter user scott account identified by tiger;

3. Activation SCOTT/HR account (3)

- Activation SCOTT



```
Microsoft Windows [Version 10.0.18363.1734]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\seungjinh>sqlplus /nolog

SQL*Plus: Release 19.0.0.0.0 - Production on 금 8월 27 14:18:45 2021
Version 19.3.0.0.0

Copyright (c) 1982, 2019, Oracle. All rights reserved.

SQL> conn /as sysdba
연결되었습니다.
SQL> @C:\Users\seungjinh\Desktop\oracle\WINDOWS.X64_193000_db_home\rdbms\admin\scott.sql
SQL> conn /as sysdba
연결되었습니다.
SQL> alter user scott account unlock;

사용자가 변경되었습니다.

SQL> alter user scott identified by tiger;

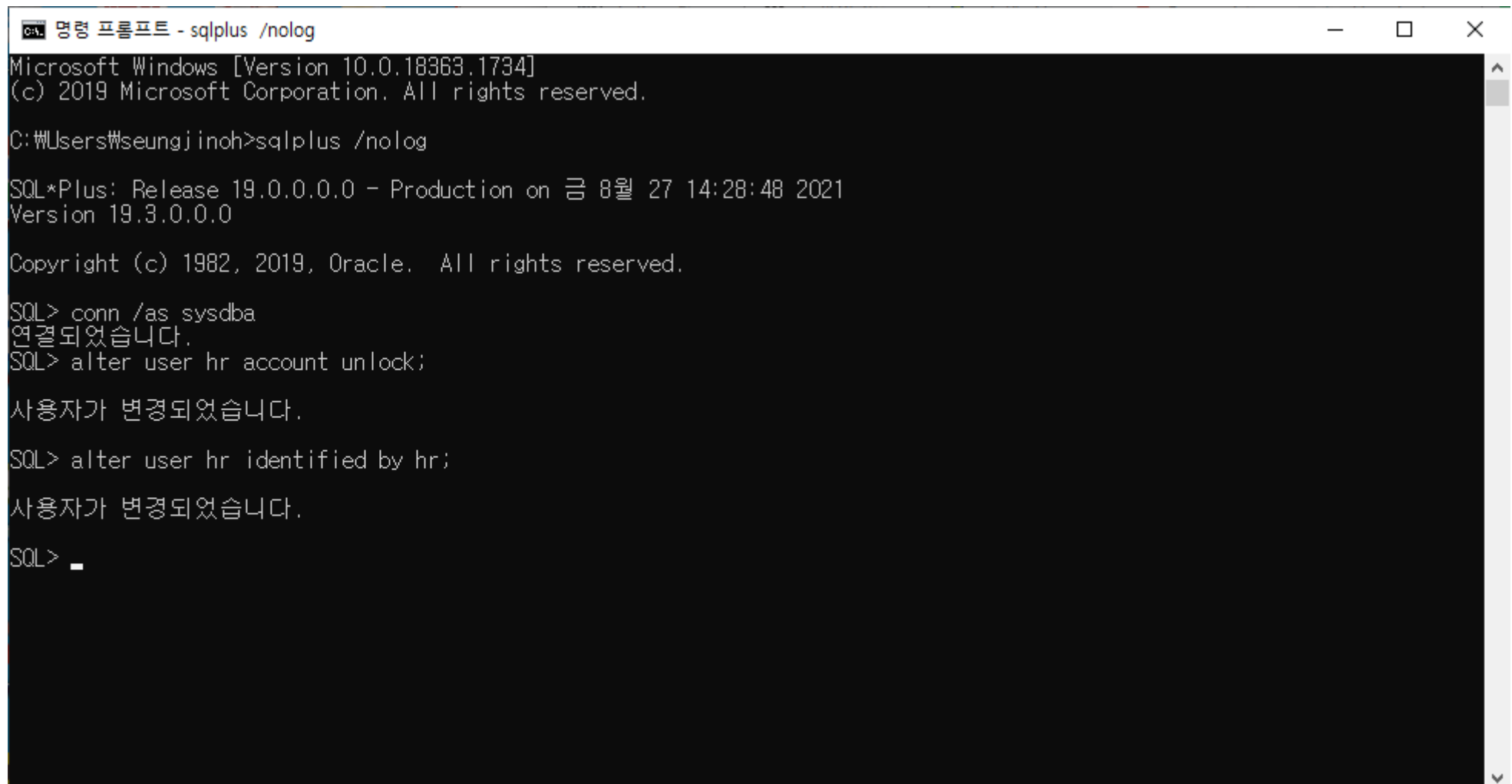
사용자가 변경되었습니다.
```

1. How to execute scott.sql script ? : SQL > @{script file name}

2. The location of scott.sql : {Oracle directory} \rdbms\admin\scott.sql

3. Activation SCOTT/HR account (4)

- Activation HR



```
명령 프롬프트 - sqlplus /nolog
Microsoft Windows [Version 10.0.18363.1734]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\seungjinh>sqlplus /nolog

SQL*Plus: Release 19.0.0.0.0 - Production on 금 8월 27 14:28:48 2021
Version 19.3.0.0.0

Copyright (c) 1982, 2019, Oracle. All rights reserved.

SQL> conn /as sysdba
연결되었습니다.
SQL> alter user hr account unlock;

사용자가 변경되었습니다.

SQL> alter user hr identified by hr;

사용자가 변경되었습니다.

SQL> _
```

4. FAQ

Q1. There are no SCOTT and HR accounts

A1. you **did not disable** the “Create as container database”

Q2. Initializing Installation Error

A2. Check if your oracle directory path contains Korean, special characters or spaces. **The directory path must be in English.**

Thank You