Lab Work

Install following softwares:

You can download from the sites given below

Or use

https://bit.ly/4daZQ1u

Oracle: XE Prior Release Archive (oracle.com)

Oracle SQL Developer: Oracle SQL Developer Downloads 23.1.0

Note: If you already have 64-bit version oracle you do not have to download and install oracle again.
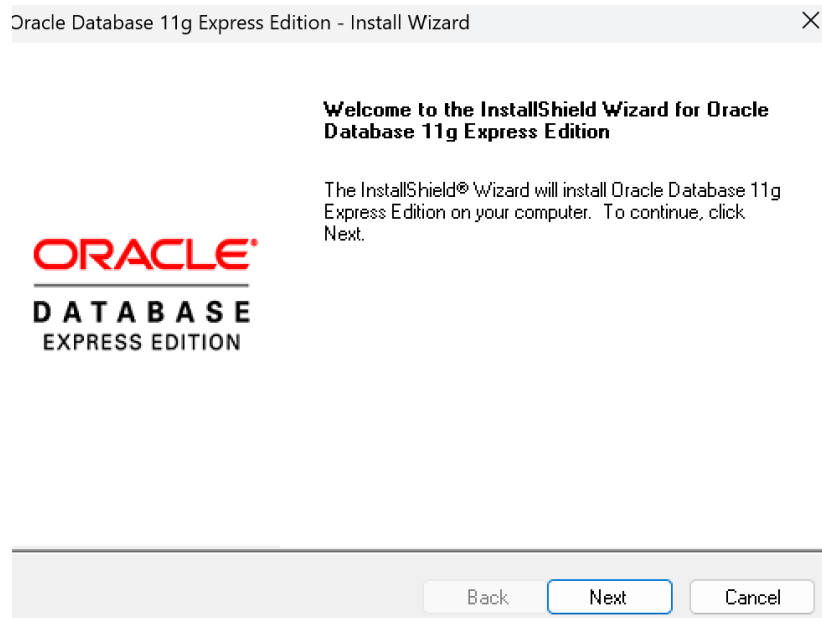
To check your version:

```
SQL*Plus: Release 11.2.0.2.0 Production on Thu Sep 19 19:49:53 2024

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

SQL> conn sqlplus / as sysdba;
Enter password:
Connected.
SQL> select banner from v$version;

BANNER
--------------------------------------------------------------------------------
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production
PL/SQL Release 11.2.0.2.0 - Production
CORE    11.2.0.2.0      Production
TNS for 64-bit Windows: Version 11.2.0.2.0 - Production
NLSRTL Version 11.2.0.2.0 - Production
```
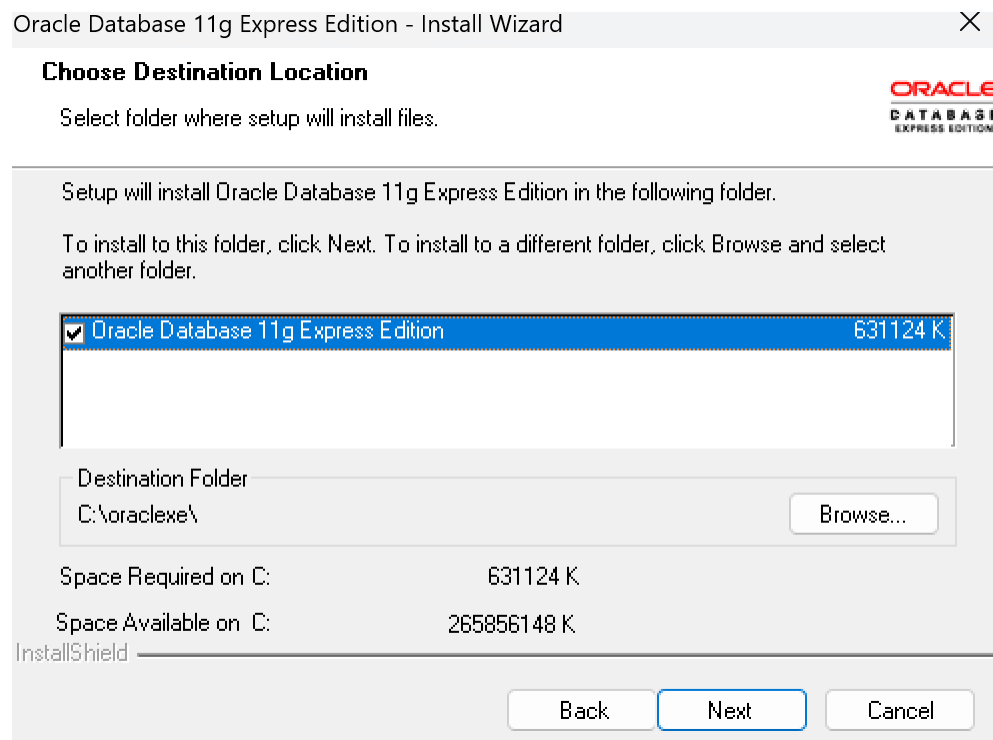
Installation Guides:

Oracle Installation

Oracle Database 11g Express Edition - Install Wizard ✕

Welcome to the InstallShield Wizard for Oracle
Database 11g Express Edition

The InstallShield® Wizard will install Oracle Database 11g
Express Edition on your computer. To continue, click
Next.

ORACLE®
DATABASE
EXPRESS EDITION

Back   Next   Cancel

Oracle Database 11g Express Edition - Install Wizard   ✕

License Agreement

Please read the following license agreement carefully.

ORACLE
DATABASE
EXPRESS EDITION

Oracle Technology Network Developer License Terms

for Oracle Database Express Edition

Export Controls
Export laws and regulations of the United States and any other relevant local
export laws and regulations apply to the programs. You agree that such
export control laws govern your use of the Program (including technical data)
and any services deliverables provided under this agreement, and you agree

⦿ I accept the terms in the license agreement

◯ I do not accept the terms in the license agreement

Print

InstallShield

Back   Next   Cancel

Oracle Database 11g Express Edition - Install Wizard   ✕

Choose Destination Location

Select folder where setup will install files.

ORACLE
DATABASE
EXPRESS EDITION

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:\oraclexe\   Browse...

Space Required on C: 631124 K

Space Available on C: 265856148 K

InstallShield

Back   Next   Cancel

Oracle Database 11g Express Edition - Install Wizard ✕

Specify Database Passwords

ORACLE
DATABASE
EXPRESS EDITION

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   ●●●●

InstallShield ─────────────────────────────────

Back   Next   Cancel

Reminder: You should not forget your password.

Oracle Database 11g Express Edition - Install Wizard ✕

Summary

ORACLE
DATABASE
EXPRESS EDITION

Review settings before proceeding with the installation.

Current Installation Settings:

Destination Folder: C:\oraclexe\
Oracle Home: C:\oraclexe\app\oracle\product\11.2.0\server\
Oracle Base:C:\oraclexe\
Port for 'Oracle Database Listener': 1521
Port for 'Oracle Services for Microsoft Transaction Server': 2030
Port for 'Oracle HTTP Listener': 8080

InstallShield ─────────────────────────────────

Back   Install   Cancel

Oracle Database 11g Express Edition - Install Wizard

Setup Status

ORACLE
DATABASE
EXPRESS EDITION

The InstallShield Wizard is installing Oracle Database 11g Express Edition

InstallShield

Cancel
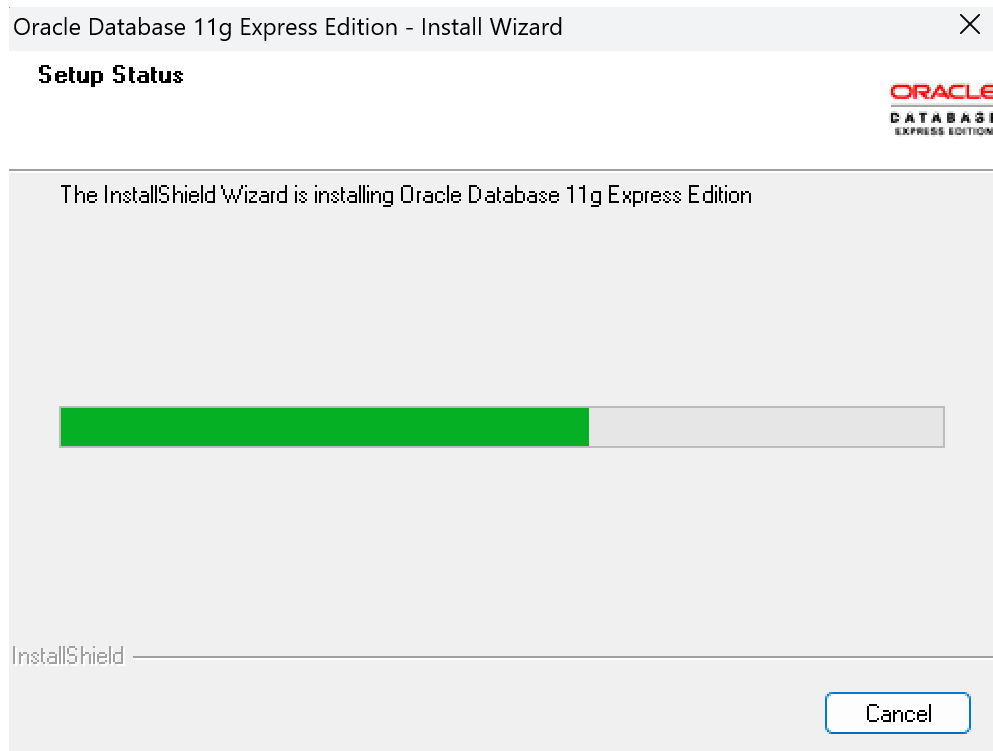
How to run Oracle

Window search:- Run SQL Command Line


```
Run SQL Command Line          ×    +    ∨                                        —    □    ×

SQL*Plus: Release 11.2.0.2.0 Production on Thu Sep 19 19:01:36 2024

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

SQL> conn sqlplus / as sysdba;
Enter password:
Connected.
SQL>
```

Create new User

- Connect sqlplus / as sysdba;
- Create user <username> identified by <password>;
- Grant connect, resource to <username>;
- Conn <username>/<password>

HR ERD
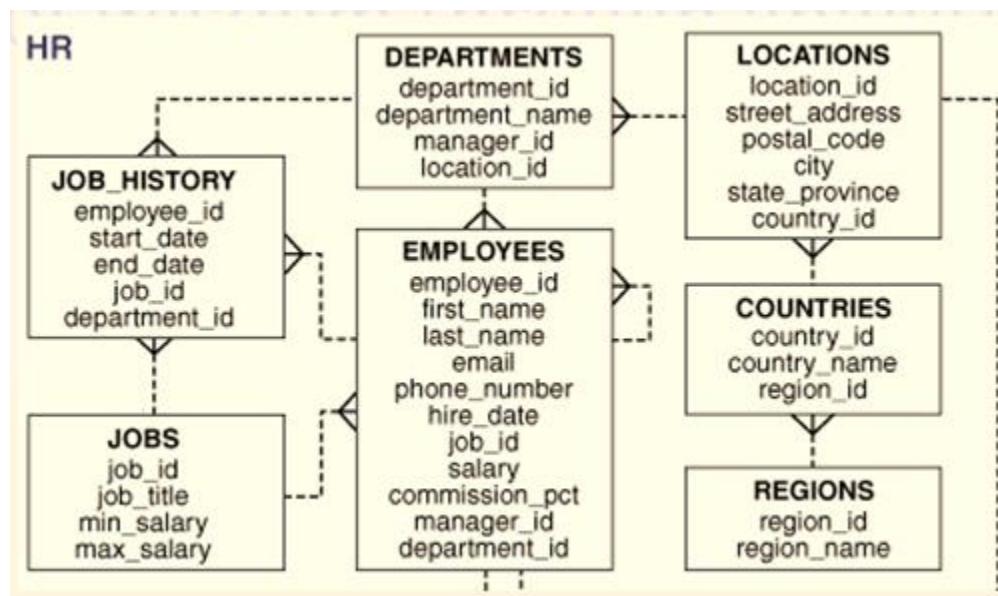
- Oracle consists of an inbuild Schema which is HR Schema.
- It will be locked first; we must unlock it before using it.

- **Unlock HR Account in Oracle**

Note:- Research to unlock HR account.

Reset system password

If you forgot your system password or any other user password

First you must connect in SQL CommanLine Using

Conn sqlplus / as sysdba;

And

Alter user system identified by <password>;

```
SQL> conn sqlplus / as sysdba;
Enter password:
Connected.
SQL> alter user system identified by 1234;

User altered.

SQL>
```

SQL Developer

Next Step – Using SQL Developer tool

Extract given folder to specific location

Open folder

Run the file sqldeveloper.exe

SQL developer tool is a third-party tool used to connect Oracle with user without using Command line interface.
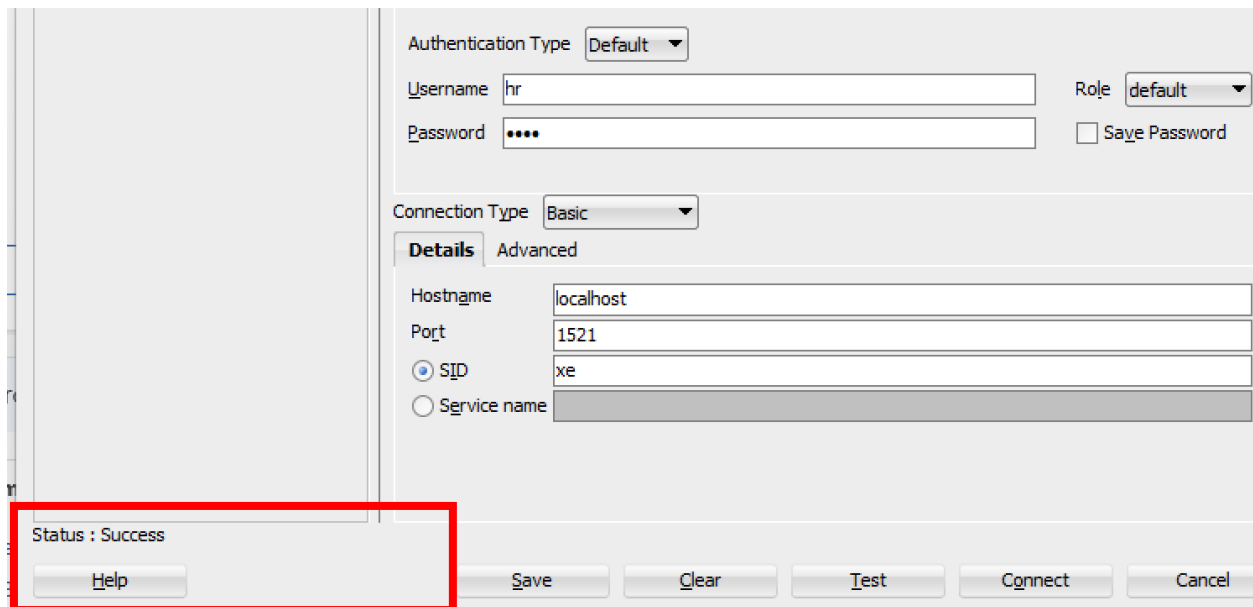
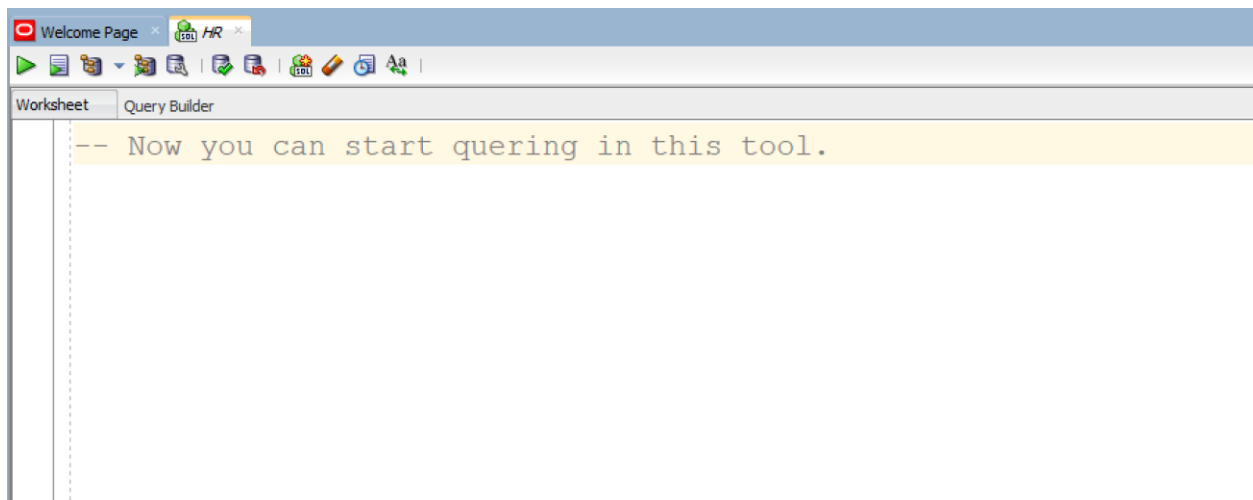Step 1: Click on **+** sign
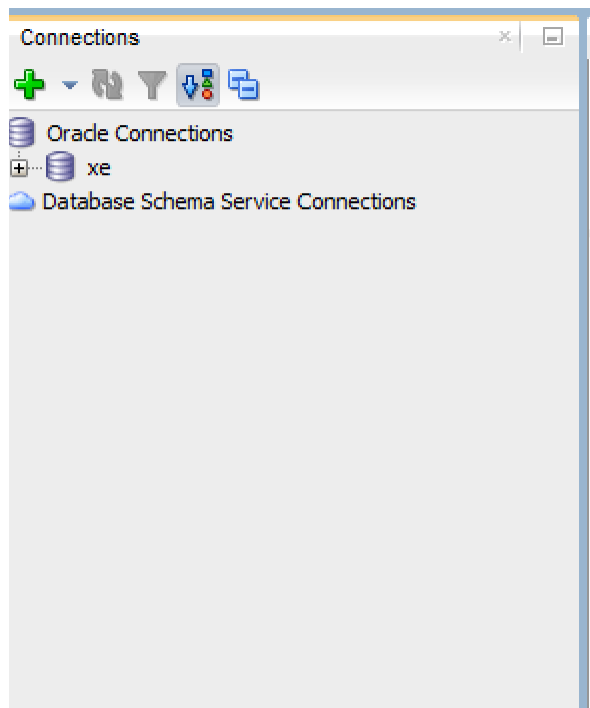
Step 2: Enter details to connect
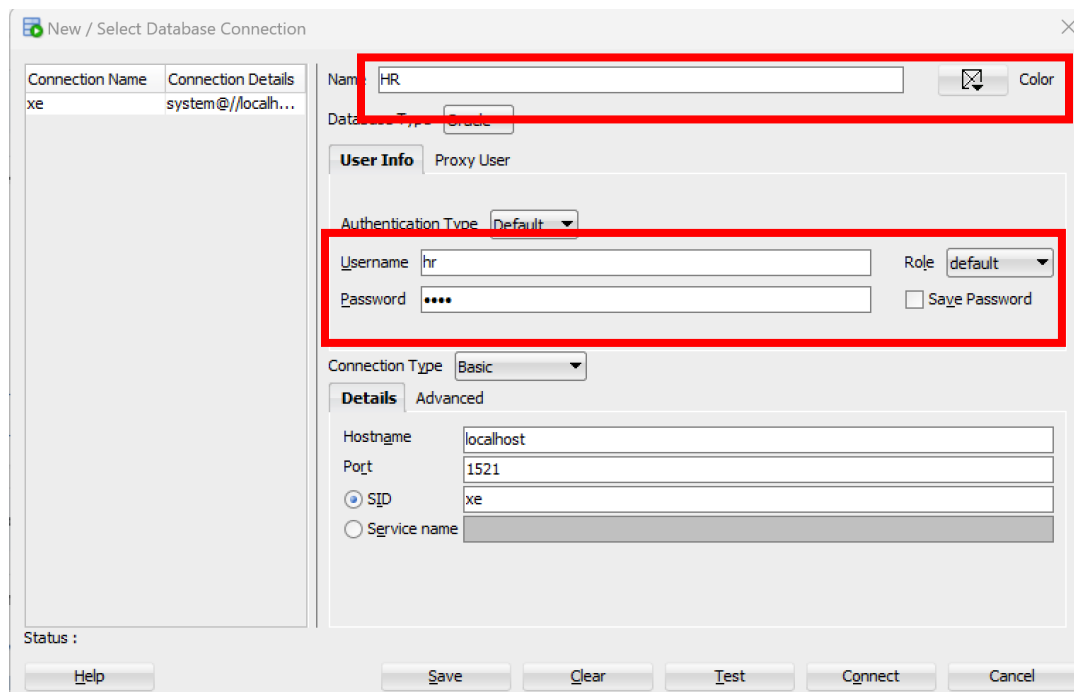
Step 3: Test Conenction

■ If Successful the connect else we have to debug the oracle database.

And connect it.

Lab Tasks

- Write an SQL query to select the full name (combining first_name and last_name), email, phone_number as 'phone', hire_date as 'hd', and job_id as 'ji' from the employee's table.

- Write an SQL query to concatenate the full name (first_name and last_name) with the text 'is a' and their job_id. Label this concatenated result as 'Literal Character', and also select the email from the employee's table.

If you want to practice query online you can practice from the link given below:

Oracle Live SQL

- First sign in using your oracle account and you can practice querying from it.

If you want to get oracle explorer badge:

Oracle SQL Explorer - Oracle MyLearn