

Steps to download and configure: Oracle 11G XE database and SQL Developer

Step 1: Download Oracle 11 G and SQL Developer

(A) Download using the Oracle official website link below.

<https://www.oracle.com/database/technologies/oracle-database-software-downloads.html>

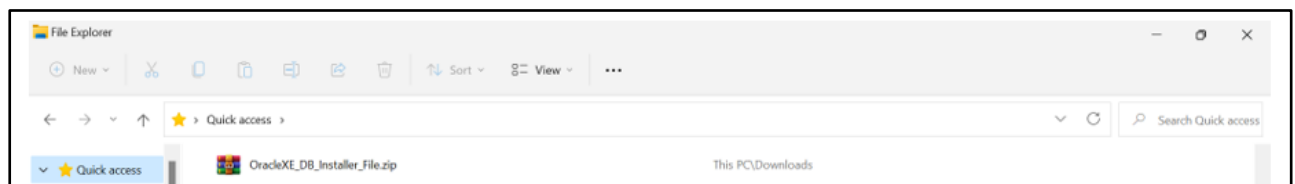
<https://www.oracle.com/database/sqldeveloper/technologies/download/>

OR

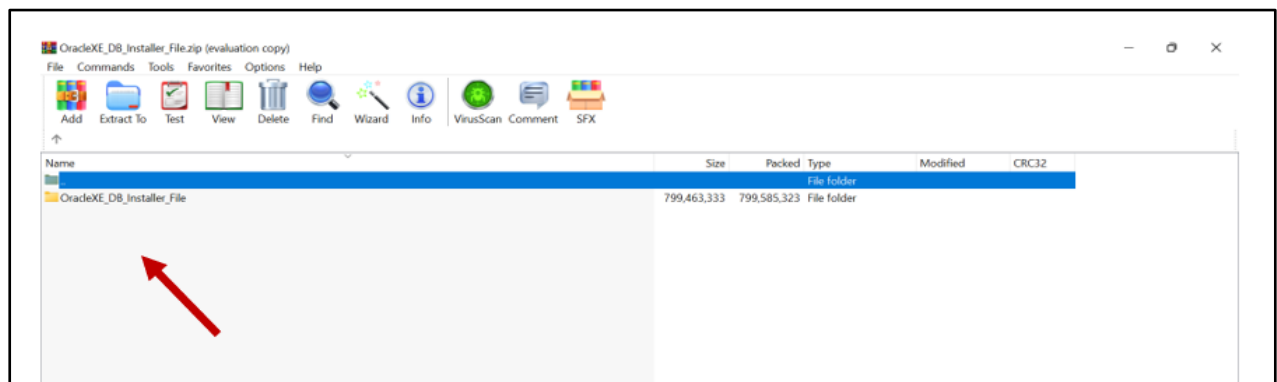
(B) Visit the following Google Drive link provided below

https://drive.google.com/file/d/1iyJh3d9Gfl0SrKM9tKvkFDQBe2XbkGTF/view?usp=share_link

Step 2: Open the link (Step 1 option (B)) and download the file. After the file has been successfully downloaded, view the file in the file explorer as shown in the image.

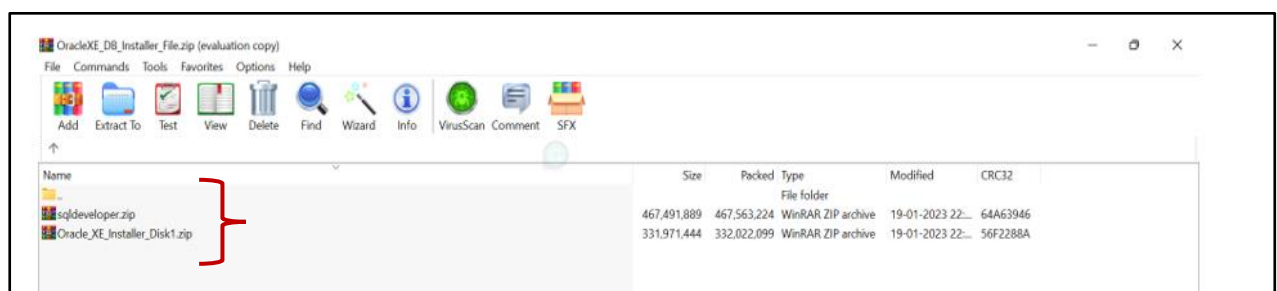


Step 3: Extract the files present in the zip file as shown in the image.



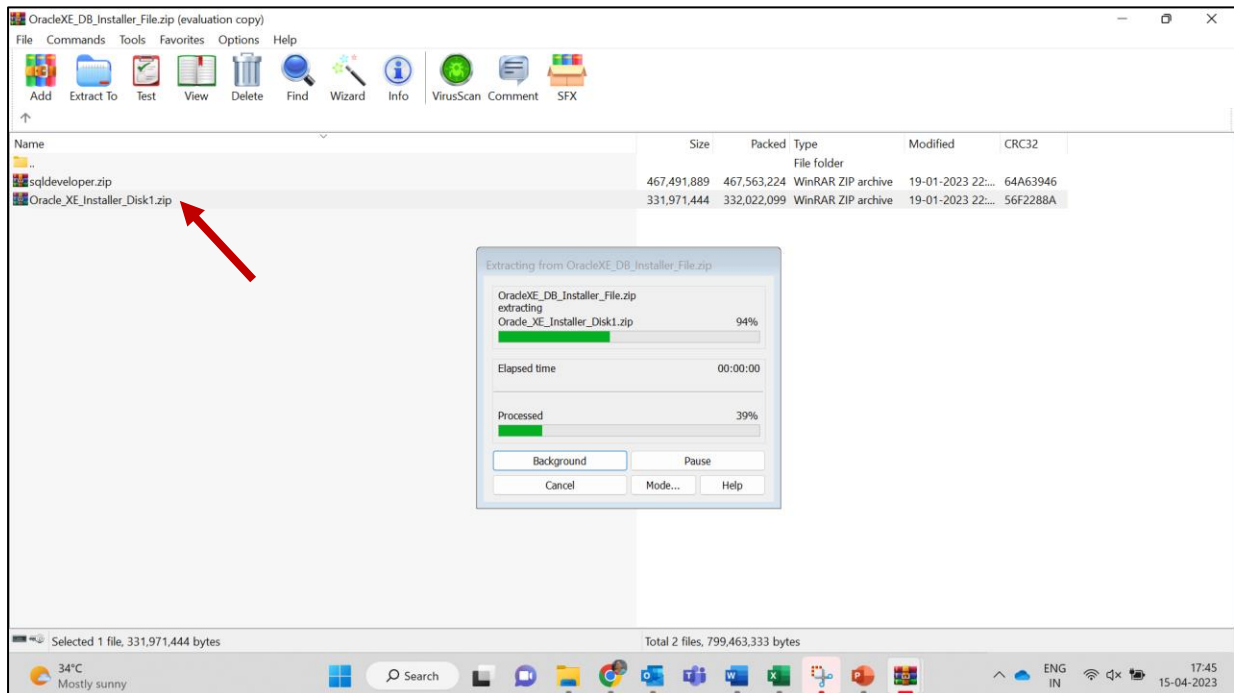
Step 4: Two Zip file are available as shown in the image.

Sqldeveloper and Oracle XE Installer

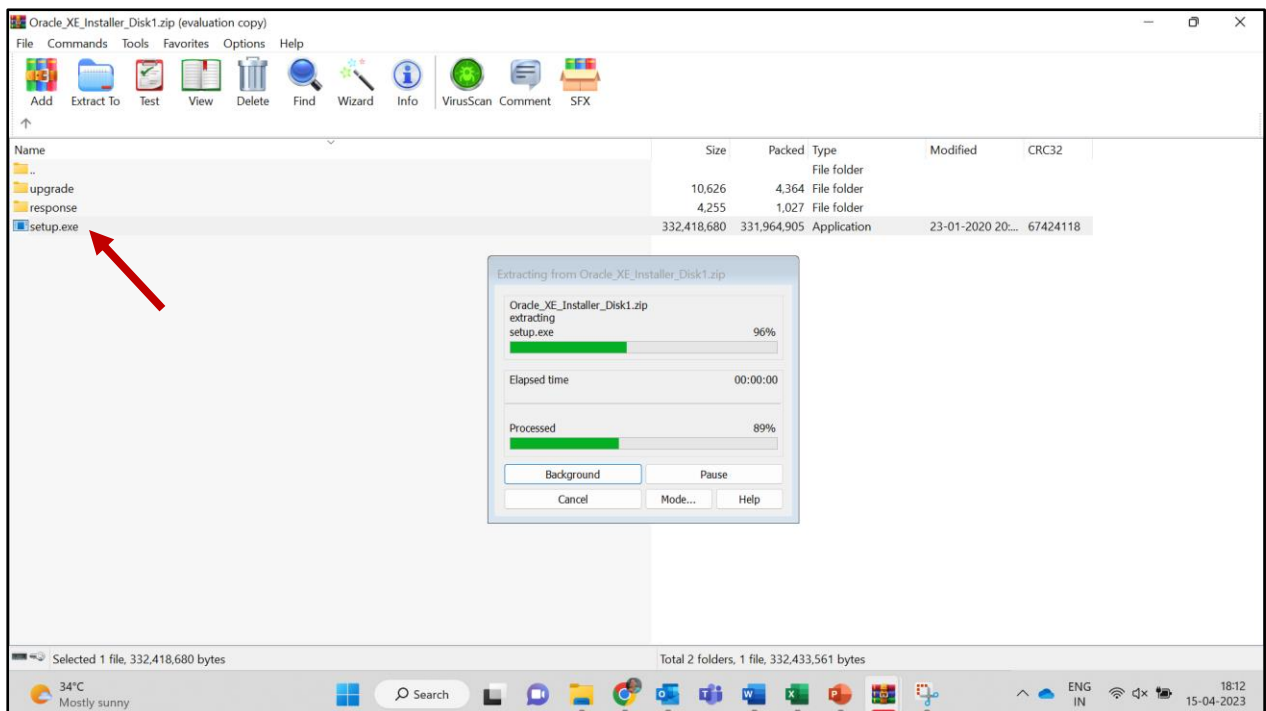


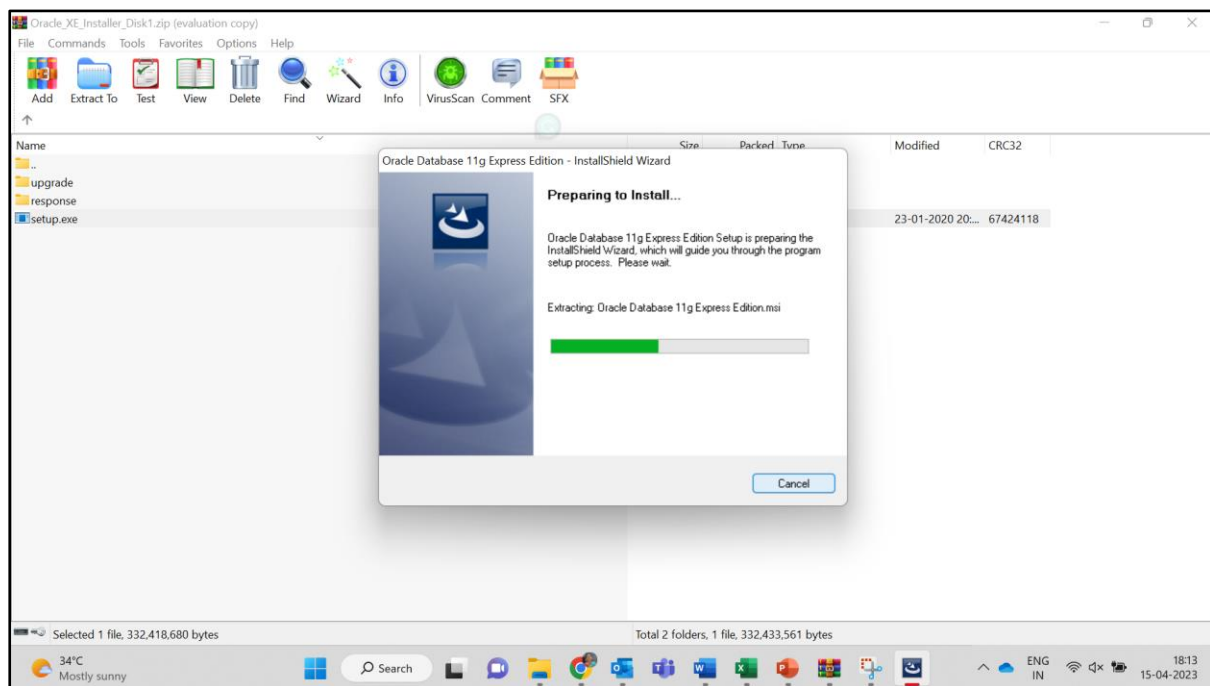
Oracle 11 G XE Installation

Step 5: Click in on the Oracle XE Installer as shown in the image.

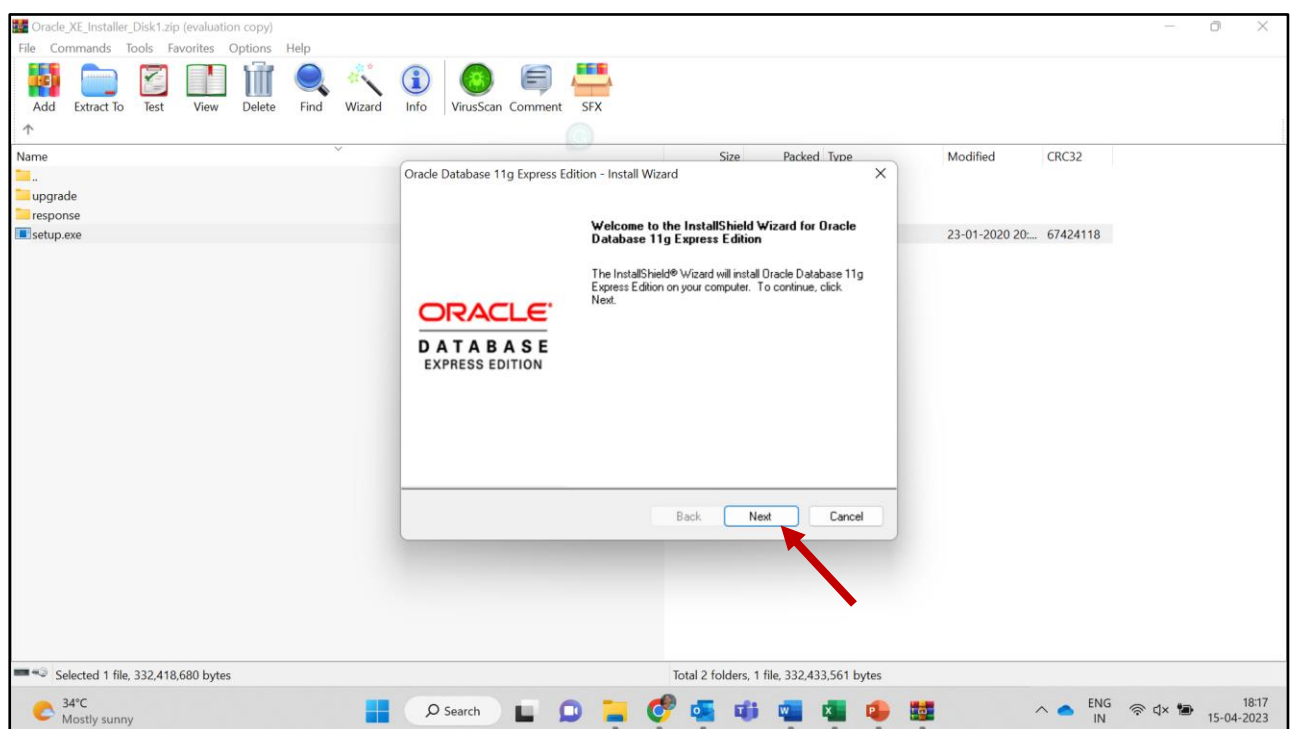


Step 6: After extracting from the Oracle XE Installer, Click on the DSK1 folder and check for setup.exe file. Run the **setup.exe** as shown in the image.

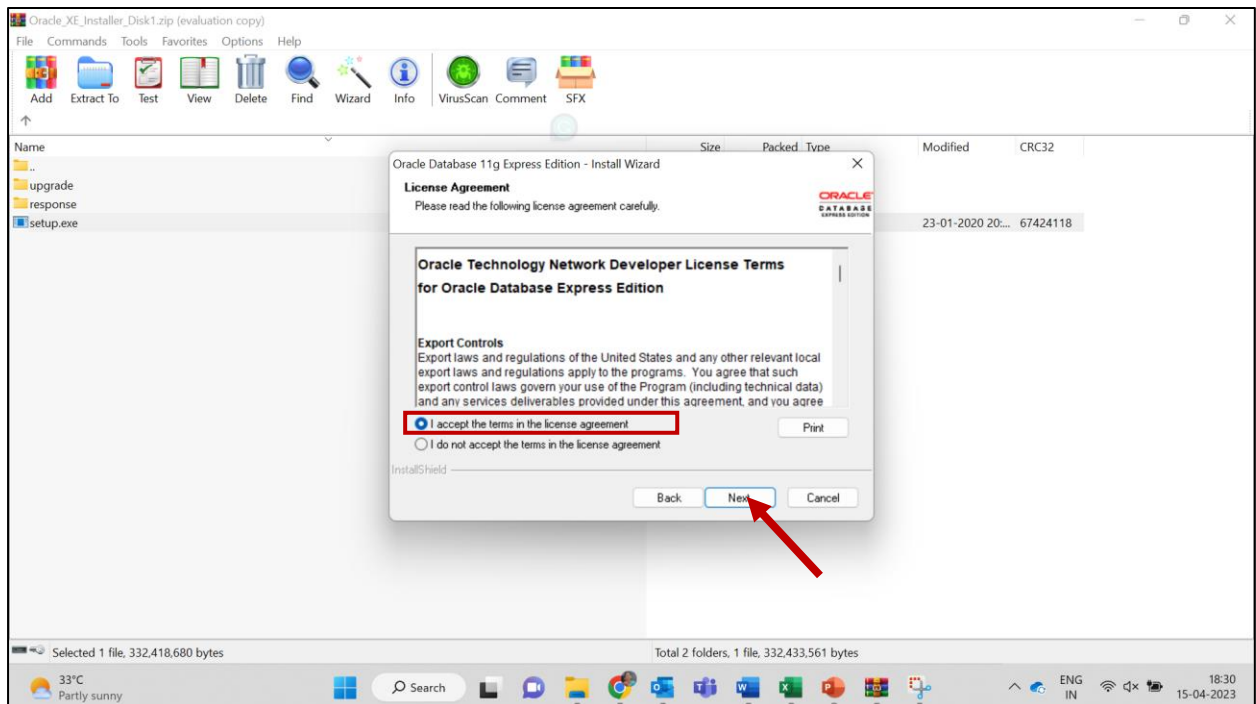




Click **Next**



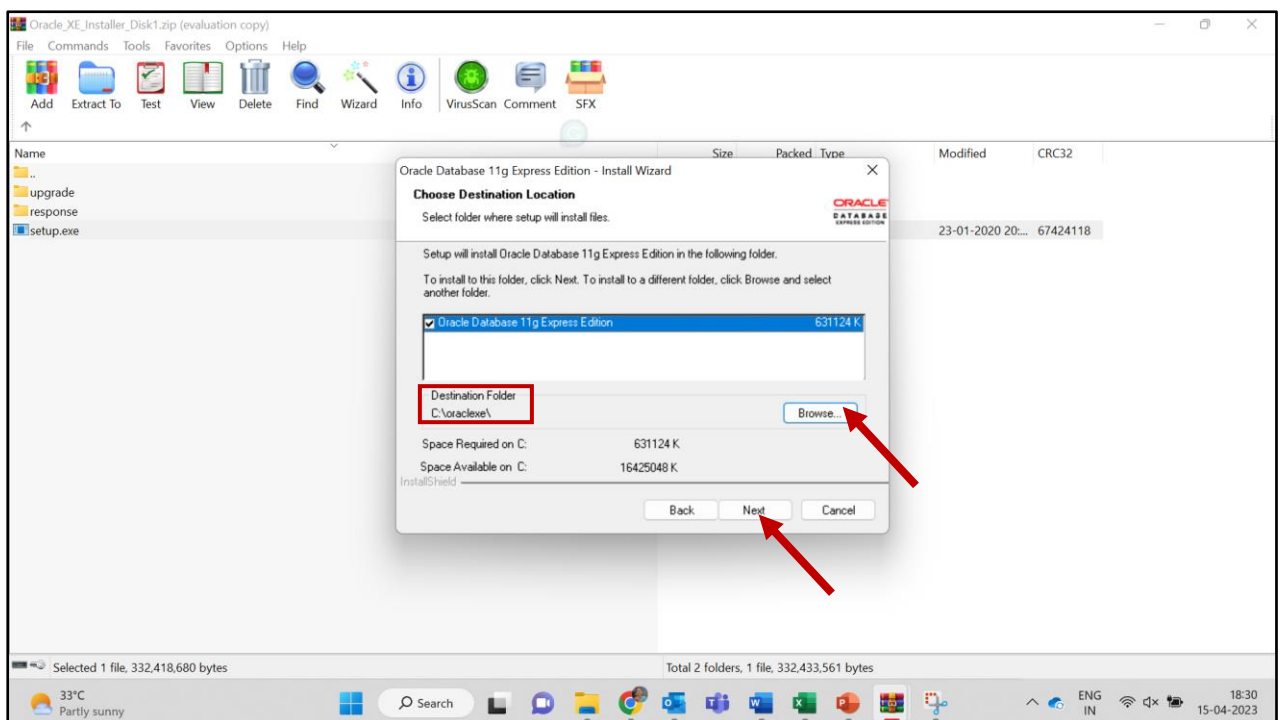
Step 7: Select the **I Accept the terms in the license agreement** and click **Next** as shown in the image.



Step 8: Select the default destination folder as shown in the image.

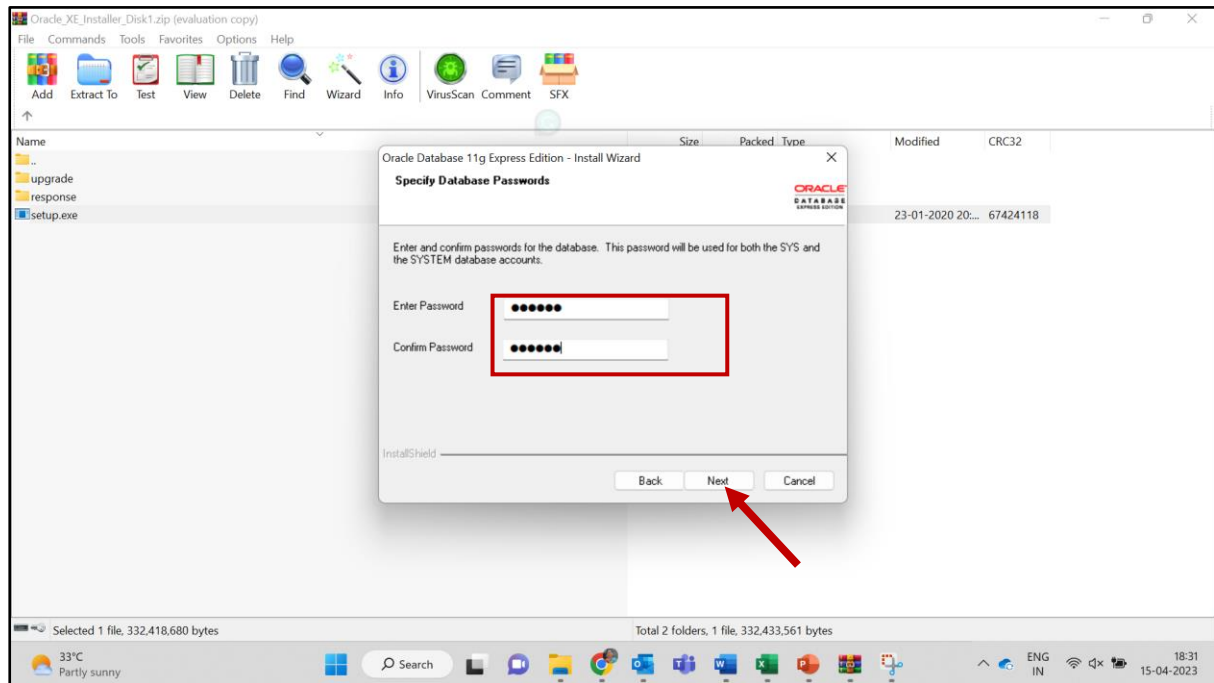
OR

Click on the **Browse** button change the location to install the Oracle.

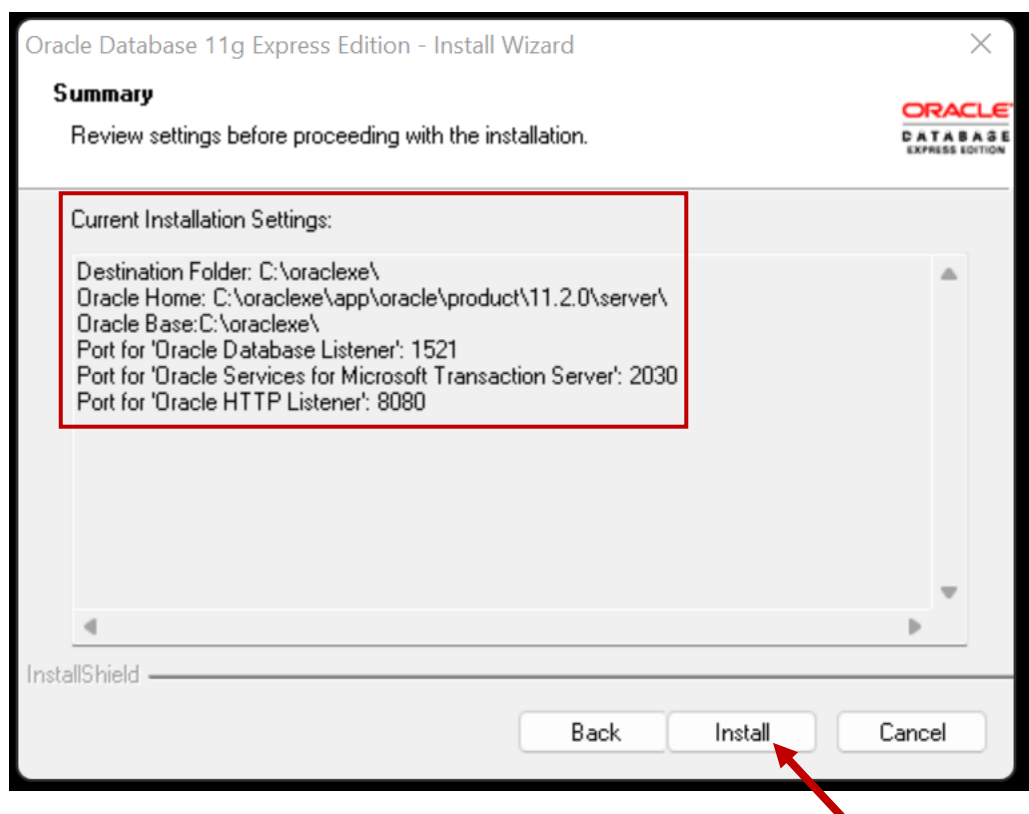


Step 9: Enter Password and Confirm Password for the database and click **Next** as shown in the image.

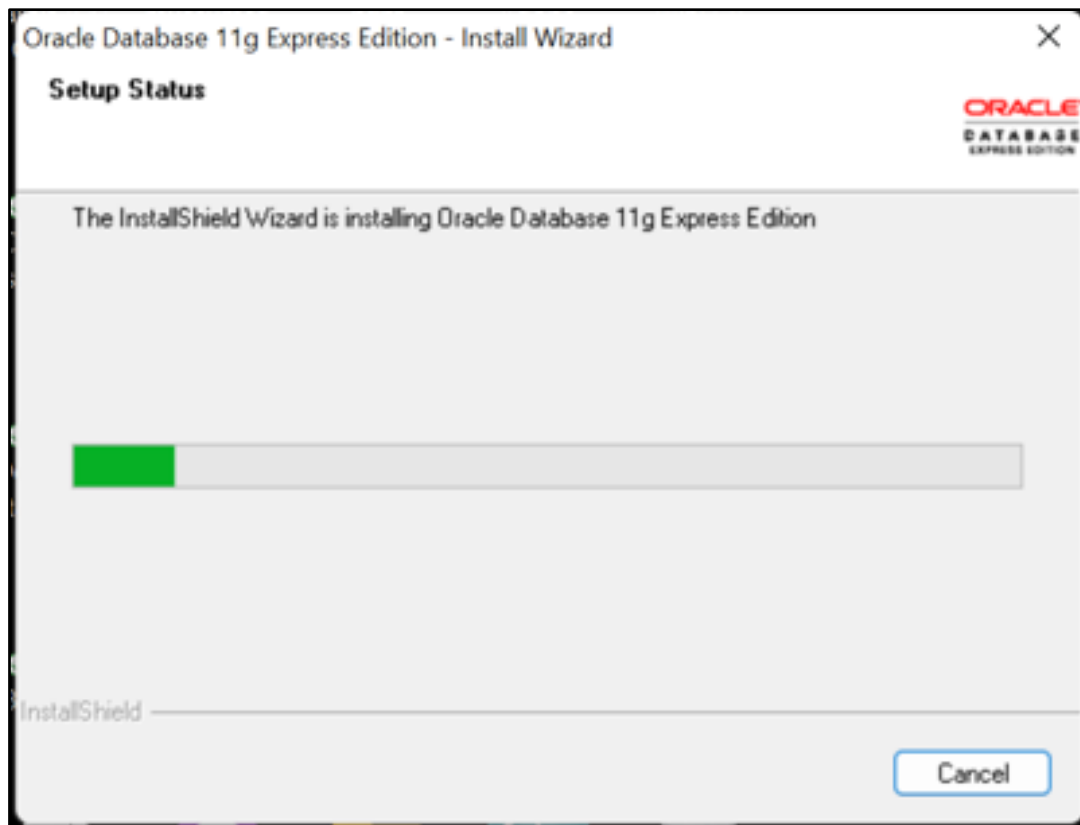
Use the default username which is **system** and the password given now to connect with database.



Step 10: The configuration details shown in the image will be used to connect with the SQL developer tool to connect with this database. Click **Install**.



The installation of Oracle Database 11g Express Edition begins as shown in the image.

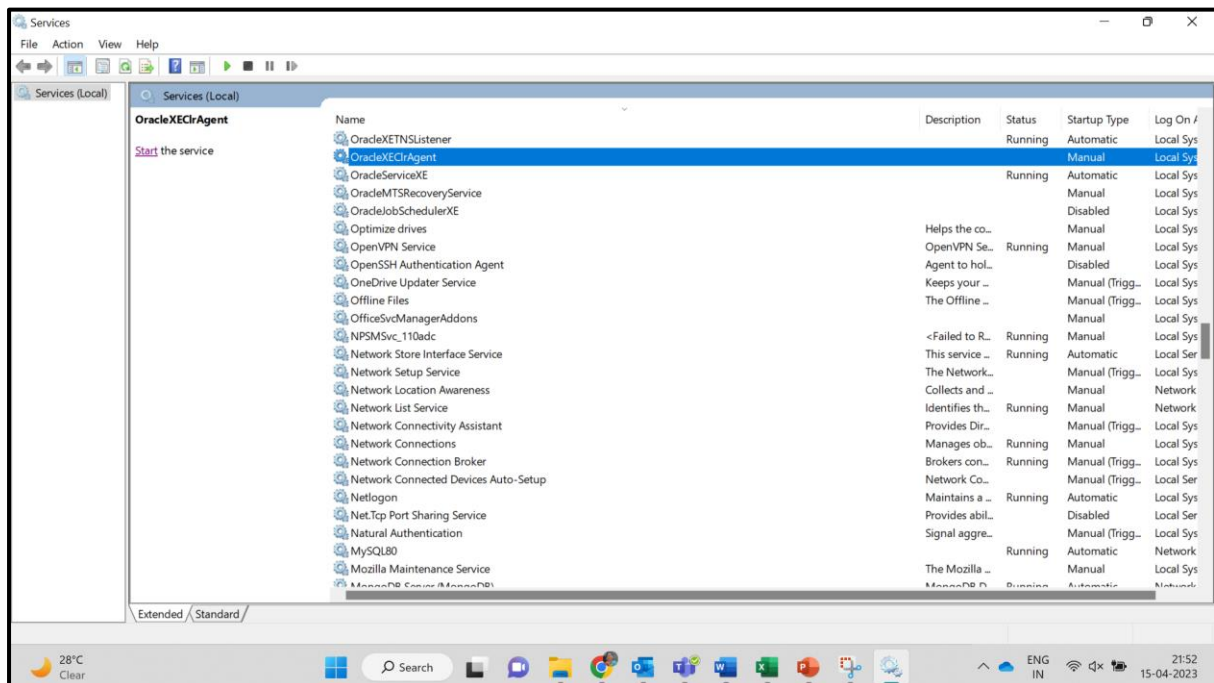
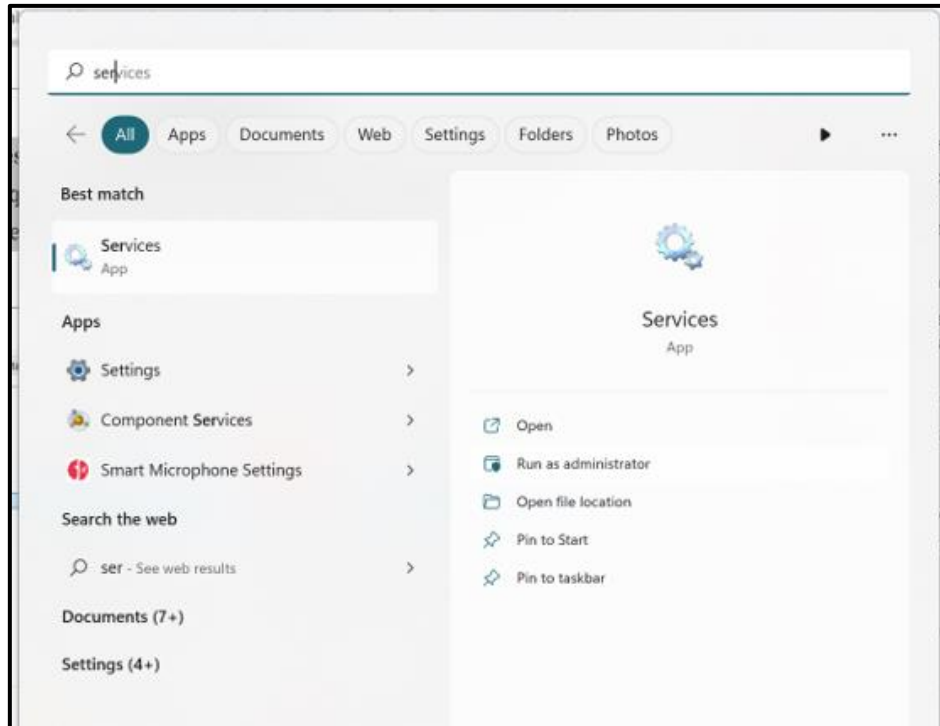


Step 11: Click **Finish** to complete the database installation as shown in the image.

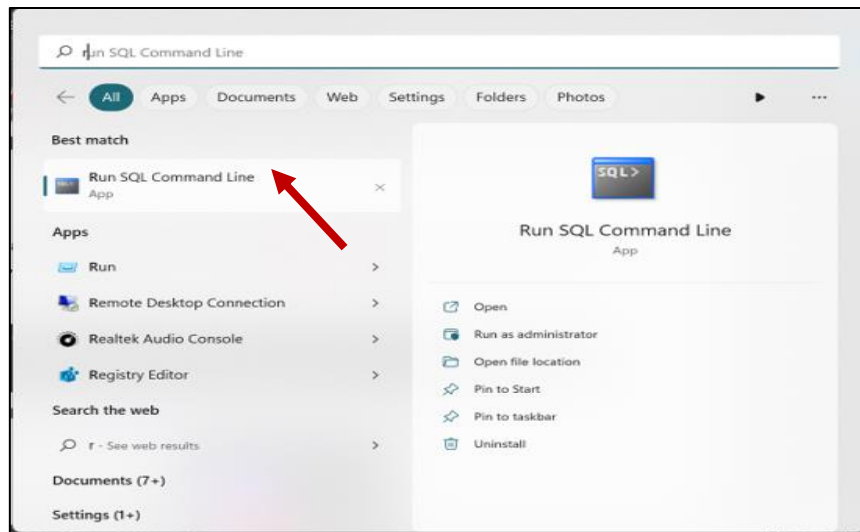


Check the installation.

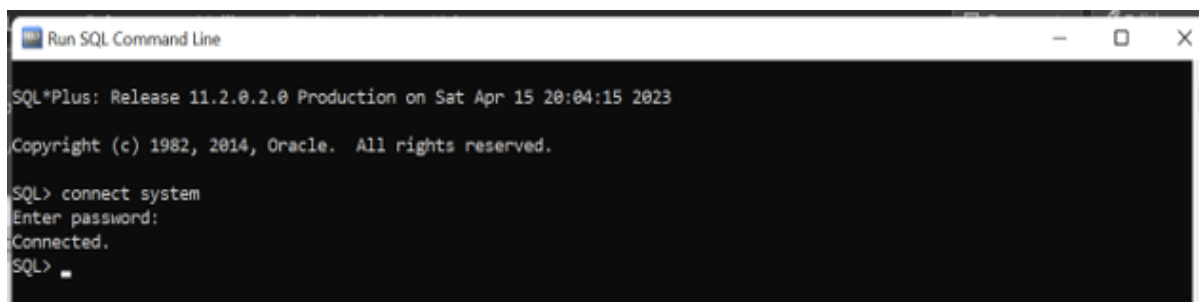
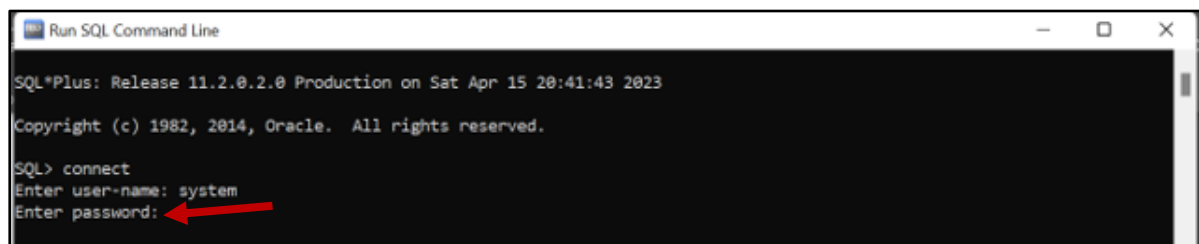
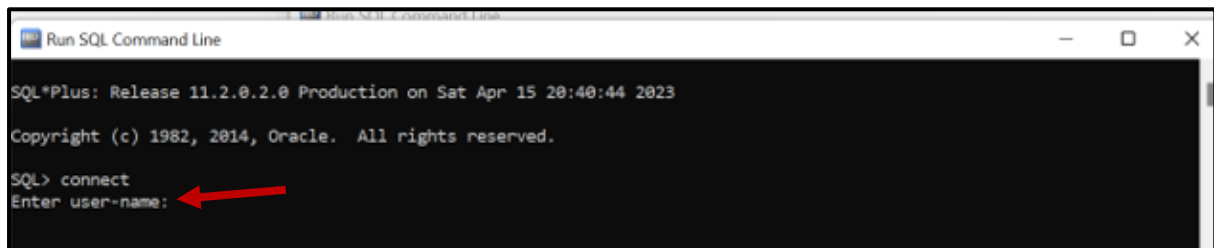
Step 12: In PC search for **Services** click on it. Search for all the services of Oracle and start. Start **OracleXEClrAgent** is started as shown in the image.



Search for **Run SQL Command Line** in the PC and click on it as shown in the image.



Enter **connect** command at the SQL prompt. Enter user user-name (default) **system** and enter the password that was assigned when Oracle Database XE was installed as given **Step 9** to connect to the database as shown in the images.



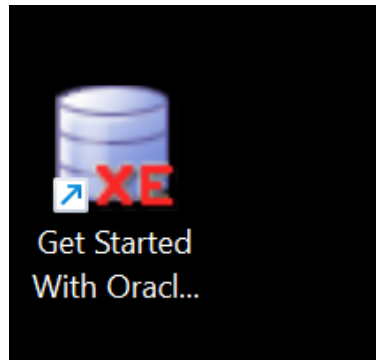
To exit from SQL

```
SQL> exit
```


OR

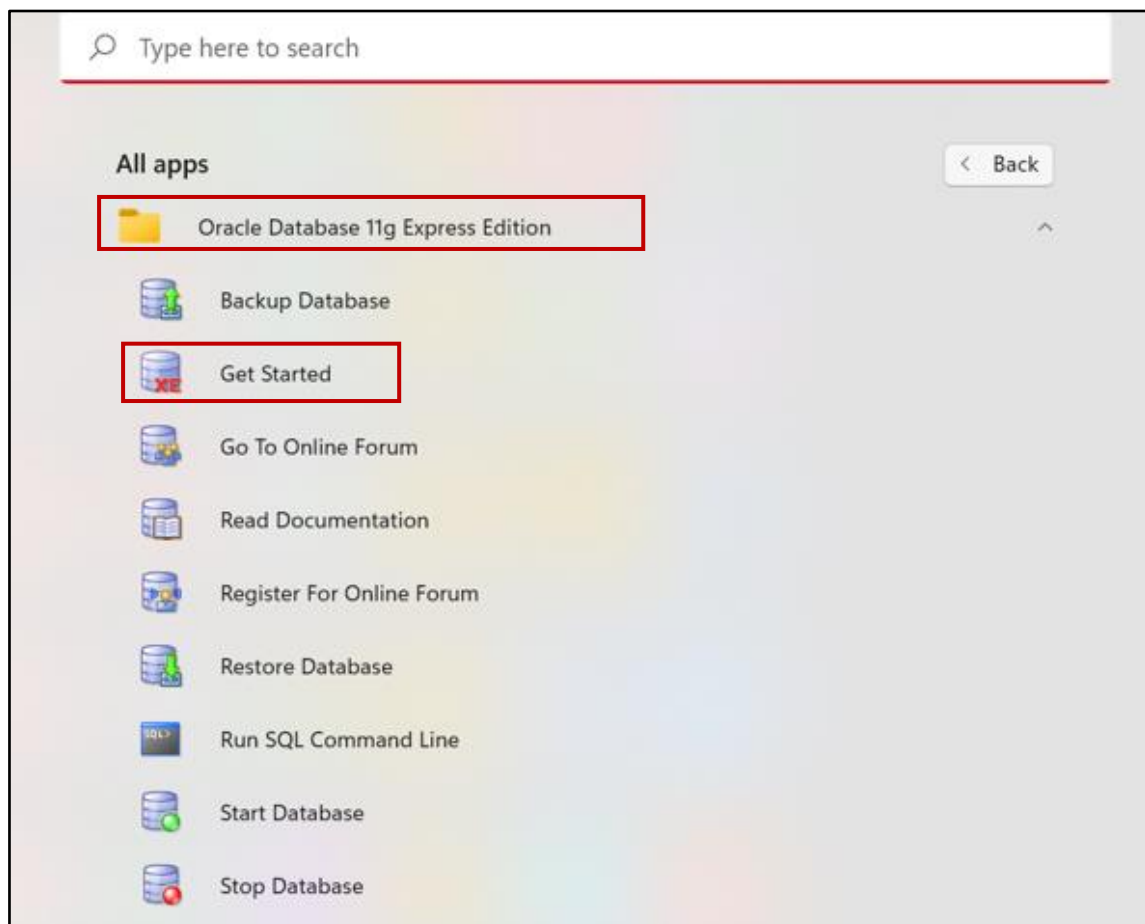
Alternative way to connect to the database using Oracle Database Home Page.

In the PC Desktop, check for the XE icon and click on it as shown in the image.



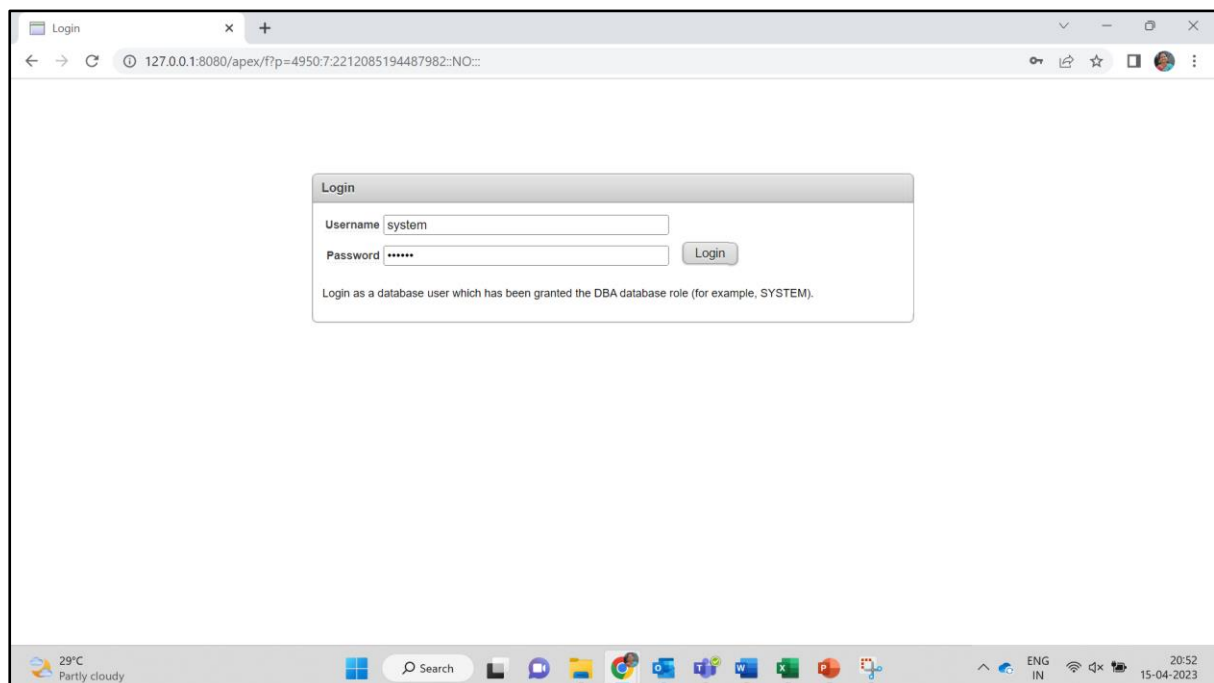
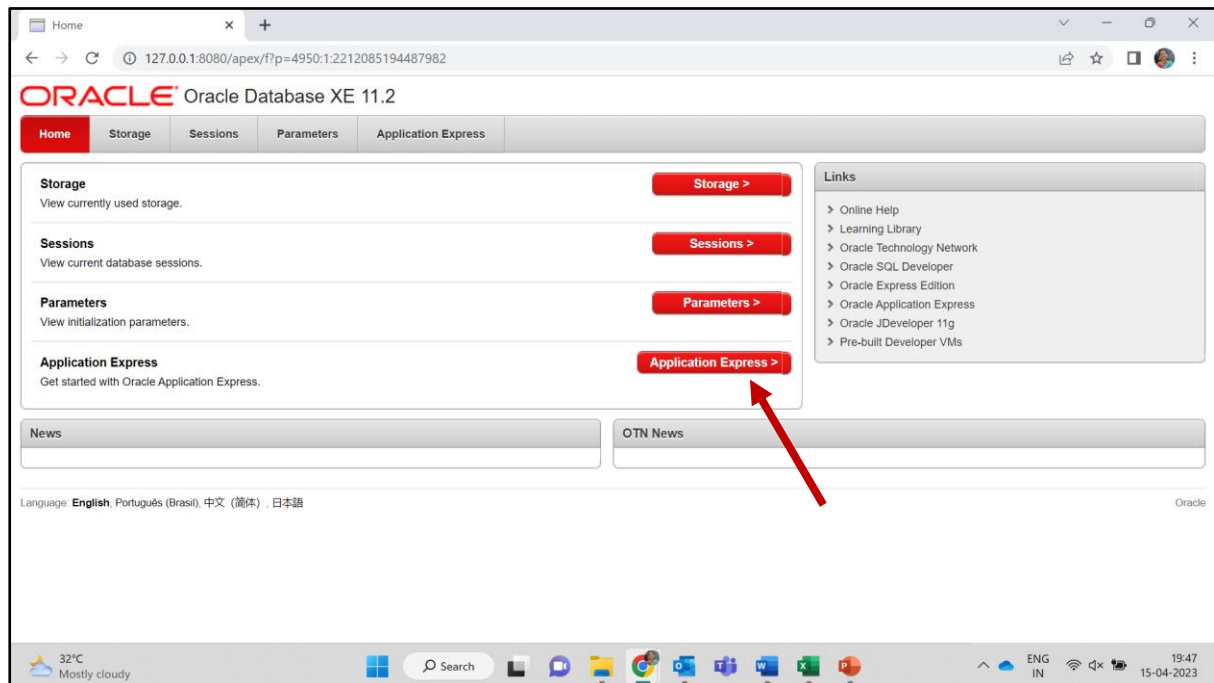
OR

Search for the **Oracle Database 11g Express Edition** in **All apps** and click on **Get Started** as shown in the image.



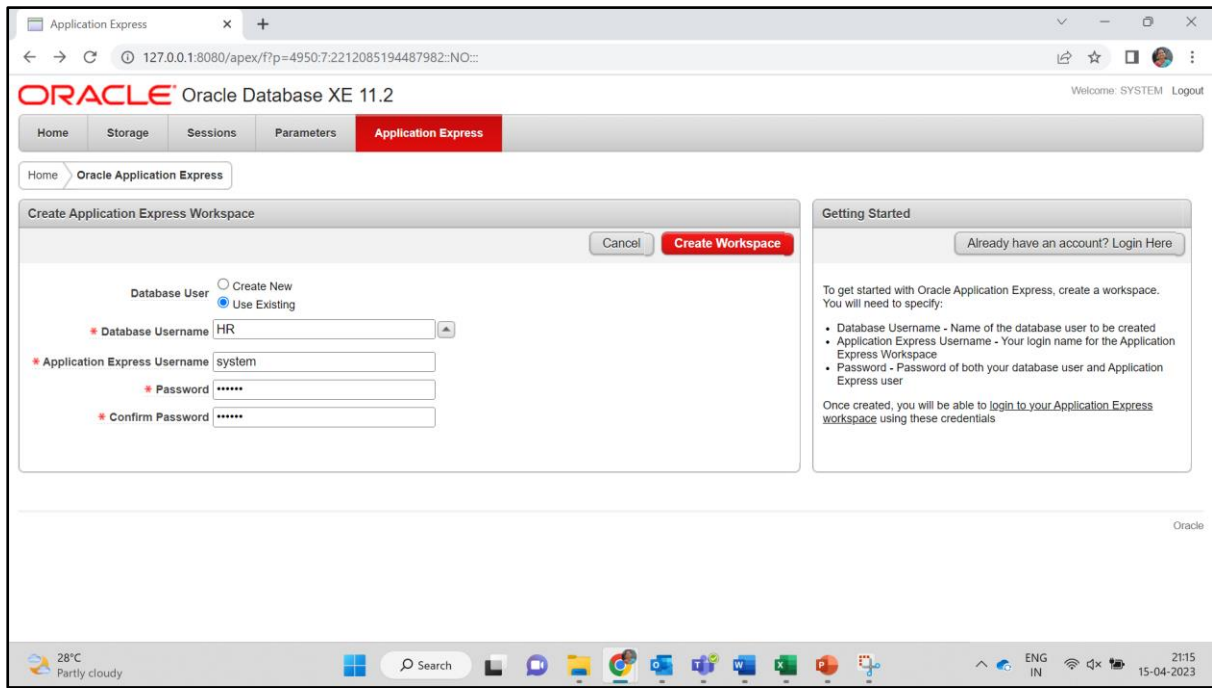
Oracle Database XE Home Page will be displayed in the PC default browser as shown in the image.

Step 15: Click on **Application Express** button and enter username as **system** and password that was specified when Oracle Database XE was installed. (**Step 9**) as shown in the image.

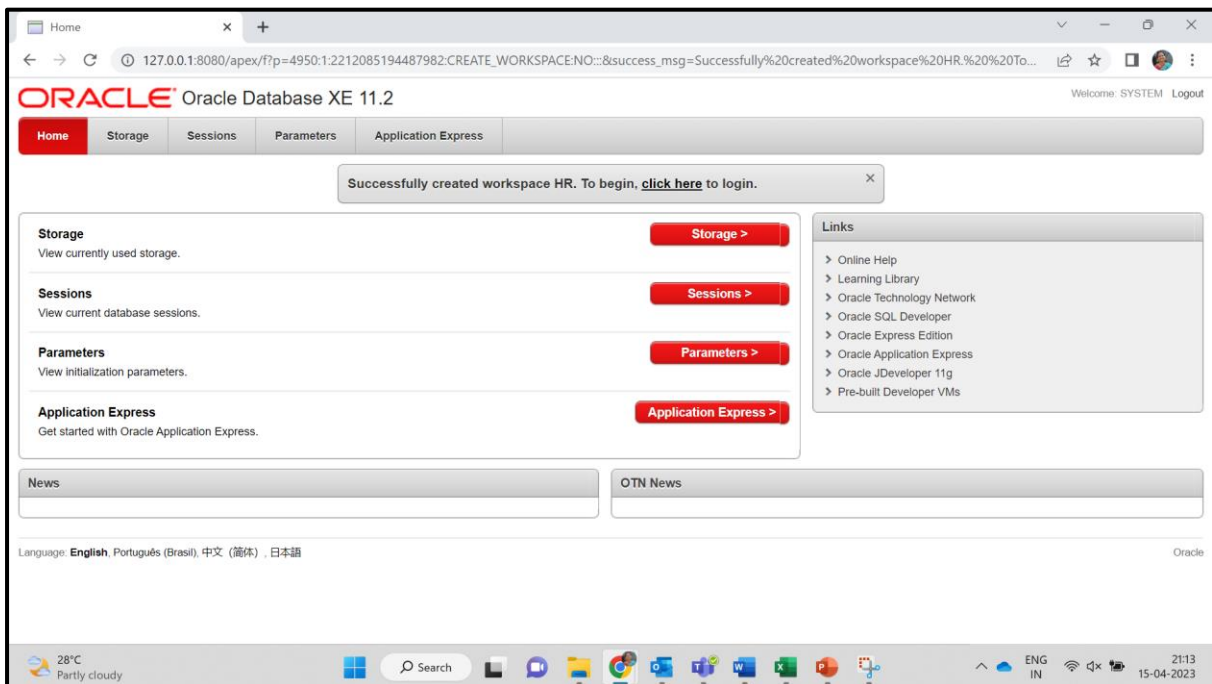


Connect to the default HR database.

Step 16: In **Create Application Express Workspace** window, select the **Use existing** option, select the database username as **HR**, enter the username **system**, enter the password that was assigned when Oracle Database XE was installed as given **Step 9** and click Create Workspace as shown in the image.



Step 17: Click on **click here** to login to default **HR** Database as shown in the image.



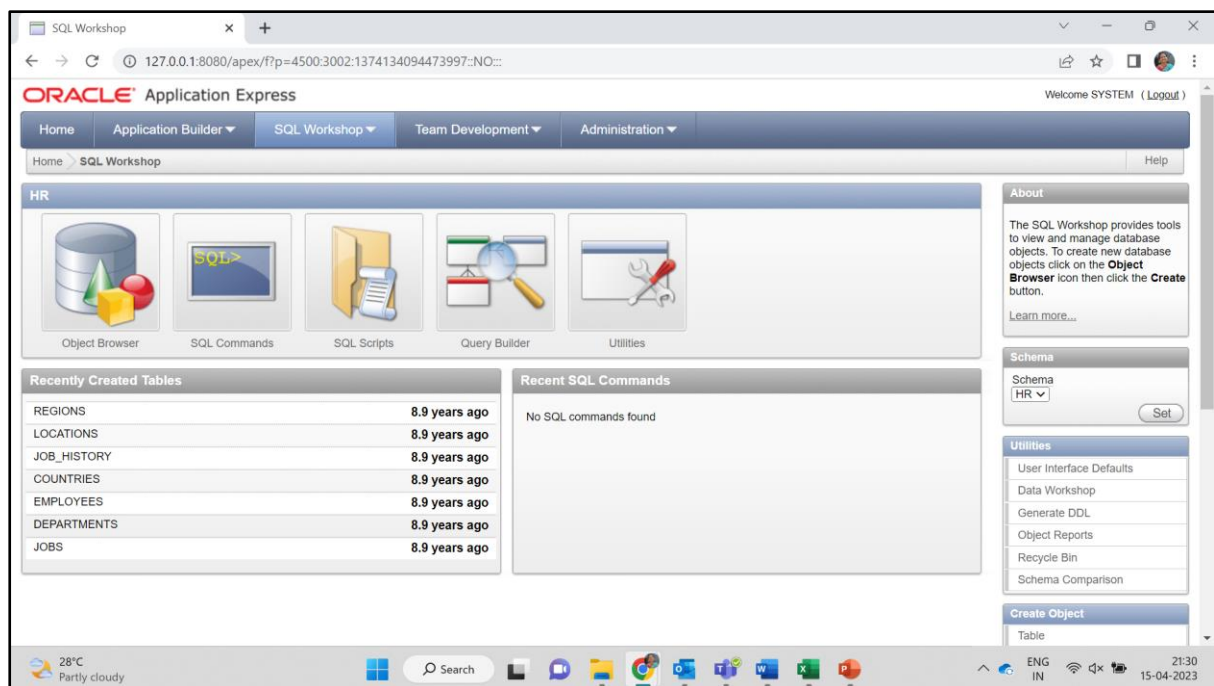
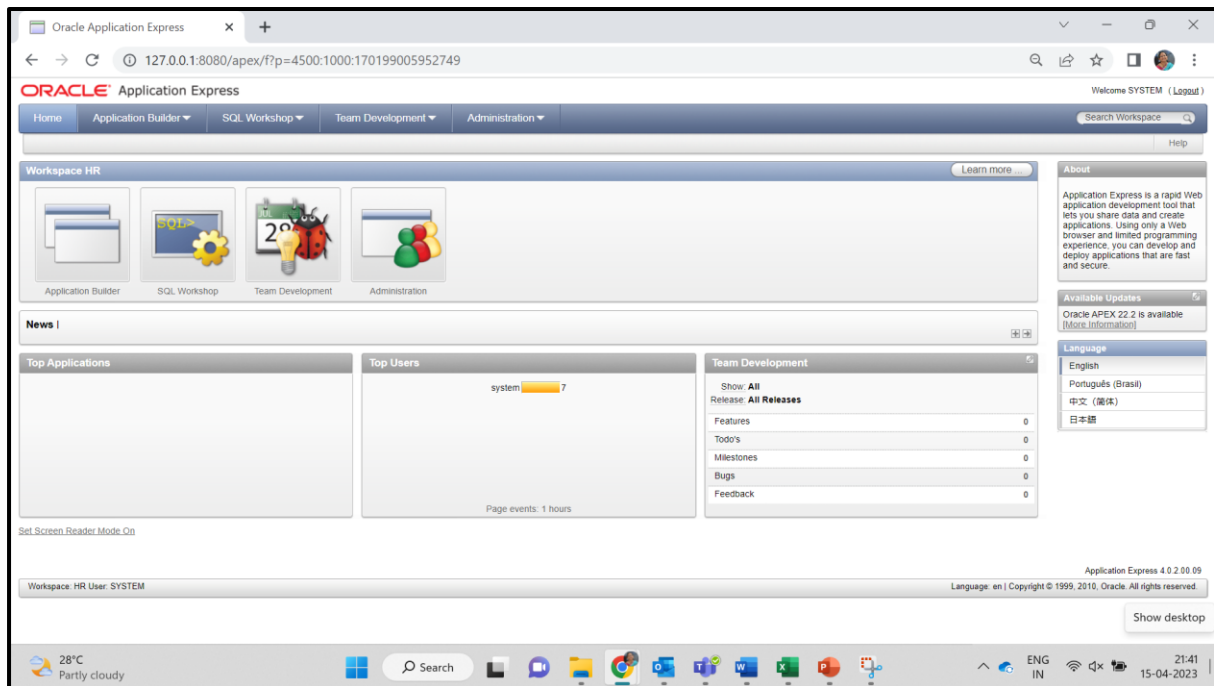
Already have a workspace account, then Click on **Already have account? Login Here** button to login to default **HR** Database as shown in the image.

The screenshot shows the Oracle Application Express interface for creating a new workspace. The browser address bar shows the URL: 127.0.0.1:8080/apex/?p=4950:7:840480349938948:NO... The page title is 'ORACLE Oracle Database XE 11.2'. The 'Application Express' tab is selected in the top navigation bar. The main content area is titled 'Create Application Express Workspace' and includes a 'Cancel' button and a 'Create Workspace' button. Below these buttons, there are two radio buttons: 'Create New' (selected) and 'Use Existing'. Under 'Create New', there are three required fields: 'Database Username', 'Application Express Username', and 'Password', each followed by a 'Confirm Password' field. To the right, the 'Getting Started' section contains a link 'Already have an account? Login Here' and a list of instructions for getting started with Oracle Application Express, including creating a workspace and specifying database and application express credentials. The bottom of the page shows the Oracle logo and a system tray with weather information (28°C, Partly cloudy) and the date/time (21:29, 15-04-2023).

Enter the password that was given in **Step 16** and click on **Login** as shown in the image.

The screenshot shows the Oracle Application Express login page. The browser address bar shows the URL: 127.0.0.1:8080/apex/?p=4550:1:440066775542401. The page title is 'ORACLE Application Express'. The main content area is titled 'Enter Application Express workspace and credentials'. It includes a 'Workspace' field with the value 'HR', a 'Username' field with the value 'SYSTEM', and a 'Password' field with masked characters. Below these fields is a 'Login' button and a link 'Click here to learn how to get started'. To the left of the login fields is an illustration of a database cylinder and a pencil. Below the login section, there is a 'Language' dropdown menu set to 'English'. At the bottom, there are three sections: 'Workspace' (with links for 'Reset Password', 'Find My Workspace', and 'Administration'), 'Getting Started' (with links for 'Learn ...', 'Oracle Technology Network', 'apex.oracle.com', and 'Oracle by Example's'), and 'Community' (with links for 'Discussion Forum', 'Packaged Applications', 'Partners', and 'BLOGs'). The bottom of the page shows the Oracle logo and a system tray with weather information (28°C, Partly cloudy) and the date/time (21:41, 15-04-2023).

Click on **SQL Workshop**, all the tables (relations) under HR database will be displayed as shown in the images.



Click on **SQL Commands**. To display the tables (relations) under HR database write the **select query select * from tab;** Click on **Run** button (Ctrl+Enter) to run the query.

The screenshot shows the Oracle Application Express interface. The SQL Commands window is open, and the query `select * from tab;` has been executed. The results are displayed in a table with 8 rows. The table has columns: TNAME, TABTYPE, and CLUSTERID. The rows list various tables and views in the HR schema.

TNAME	TABTYPE	CLUSTERID
COUNTRIES	TABLE	-
DEPARTMENTS	TABLE	-
EMPLOYEES	TABLE	-
EMP_DETAILS_VIEW	VIEW	-
JOBS	TABLE	-
JOB_HISTORY	TABLE	-
LOCATIONS	TABLE	-
REGIONS	TABLE	-

8 rows returned in 0.00 seconds

Write the query **select * from employees** as shown in the image.

The screenshot shows the Oracle Application Express interface. The SQL Commands window is open, and the query `select * from employees;` has been executed. The results are displayed in a table with 10 columns and 7 rows. The columns are: EMPLOYEE_ID, FIRST_NAME, LAST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, JOB_ID, SALARY, COMMISSION_PCT, MANAGER_ID, and DEPARTMENT_ID. The rows list the first seven employees in the HR schema.

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	06/17/2003	AD_PRES	24000	-	-	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	09/21/2005	AD_VP	17000	-	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	01/13/2001	AD_VP	17000	-	100	90
103	Alexander	Hunold	AHUNOLD	590.423.4567	01/03/2006	IT_PROG	9000	-	102	60
104	Bruce	Ernst	BERNST	590.423.4568	05/21/2007	IT_PROG	6000	-	103	60
105	David	Austin	DAUSTIN	590.423.4569	06/25/2005	IT_PROG	4800	-	103	60
106	Valli	Pataballa	VPATABAL	590.423.4560	02/05/2006	IT_PROG	4800	-	103	60
107	Diana	Lorentz	DLORENTZ	590.423.5567	02/07/2007	IT_PROG	4200	-	103	60