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| **Topic** | RDBMS - Oracle |
| **Document Name** | ORACLEDB-EX-02 |
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| **Document Difficulty Level** | | | |
| **Beginner** | **Junior** | **Senior** | **Expert** |
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# Document History

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| 05.03.2025 | Mennan Tekbir | 1.0 | Initial Draft |
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# RDBMS – Oracle

## Exercise ORACLEDB-EX-02:

**Definiton:** pull & run oracle express edition container from docker hub in your GCP or AWS cloud machine. ( You can use oracle oﬃcial repo- the link is provided below – ). For being more practical, you can run in your local machine first, and then, you can switch to cloud machine. Necesarry command are provided below.

**Note:** If you did not get a cloud machine previously, you may simply run it on your local machine.

**Docker Installation**

<https://blogs.oracle.com/connect/post/deliver-oracle-database-18c-express-edition-in-containers>

<https://github.com/oracle/docker-images/tree/main/OracleDatabase/SingleInstance>

git clone https://github.com/oracle/docker-images.git

cd docker-images/OracleDatabase/SingleInstance/dockerfiles

./buildContainerImage.sh -v 21.3.0 -x

docker run --name oraclexe -p 1521:1521 -p 5500:5500 -e ORACLE\_PWD=ORACLE oracle/database:21.3.0-xe

**Getting into Oracle SQL’s SQLPlus CLI**

docker exec -it oraclexe bash

bash-4.2# sqlplus sys/ORACLE@//localhost:1521/XE as sysdba

SQL> select name from v$database;

Please provide screenshots to show your work.

## ORACLEDB-EX-02 Solution:

**Your Answer:**

**Step-by-Step Solution:**

**1. Clone Oracle’s Docker Images Repo**

**git clone https://github.com/oracle/docker-images.git**

**cd docker-images/OracleDatabase/SingleInstance/dockerfiles**

**2. Build Oracle XE Docker Image**

**sudo ./buildContainerImage.sh -v 21.3.0 -x**

**3. Run Oracle XE Container**

**sudo docker run -d --name oraclexe -p 1521:1521 -p 5500:5500 -e ORACLE\_PWD=ORACLE oracle/database:21.3.0-xe**

**4. Check Running Container**

**sudo docker ps**

**5. Connect to Container and Open SQLPlus**

**sudo docker exec -it oraclexe bash**

**sqlplus sys/ORACLE@//localhost:1521/XE as sysdba**

**6. Verify Database**

**select name from v$database;**

**The output should display:**

**NAME**

**---------**

**XE**

**metin, ekran görüntüsü içeren bir resim

Yapay zeka tarafından oluşturulmuş içerik yanlış olabilir.**