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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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| Date | Author | Ver | Comments |
| 05.03.2025 | Mennan Tekbir | 1.0 | Initial Draft |
| 05.03.2025 | Mehmet Erdem Önal | 1.1 | Revisions |

# 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:

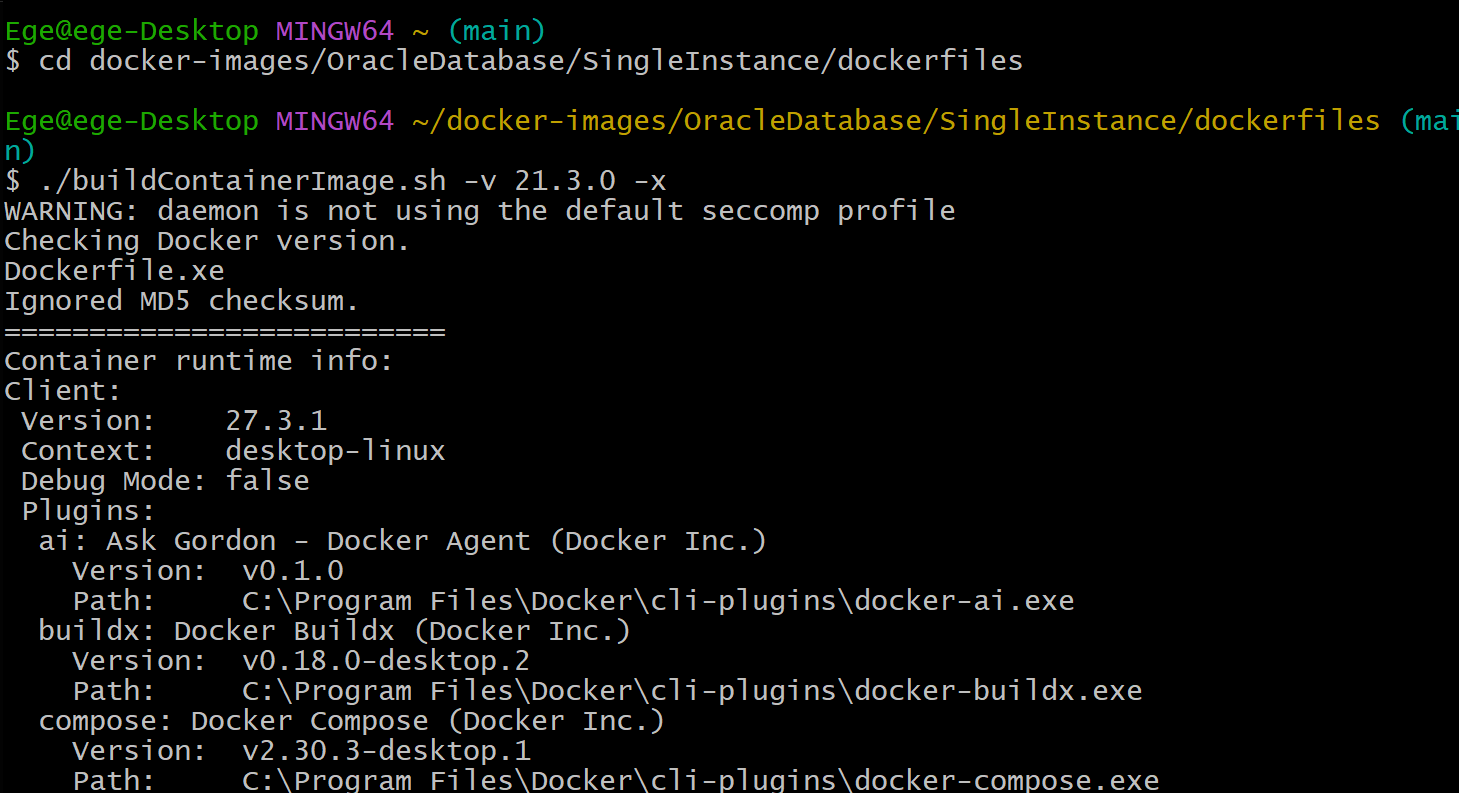
**Your Answer:**

**EGE DiREK**

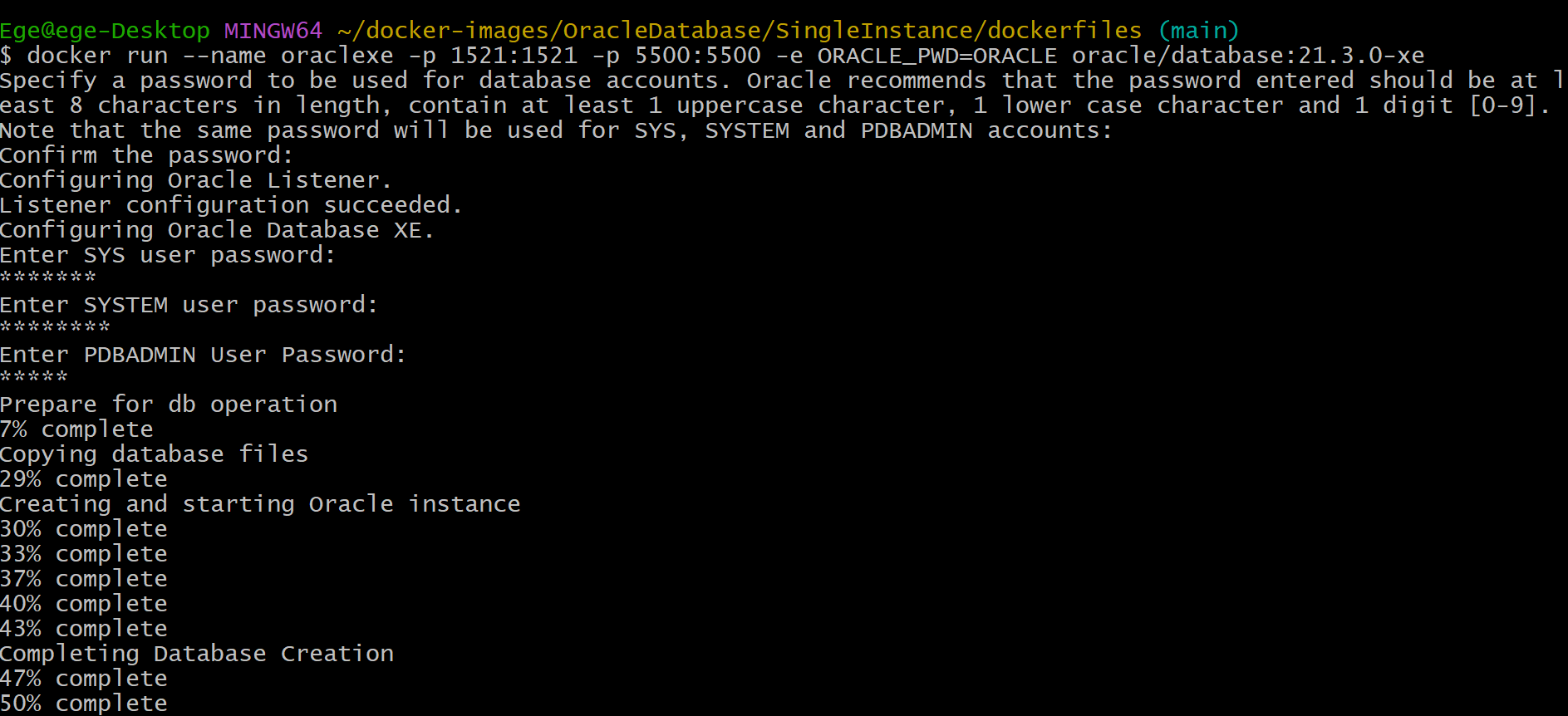
**1- First we have to download Oracle Docker image. ( I already have it so I dont have screen-shot )**

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

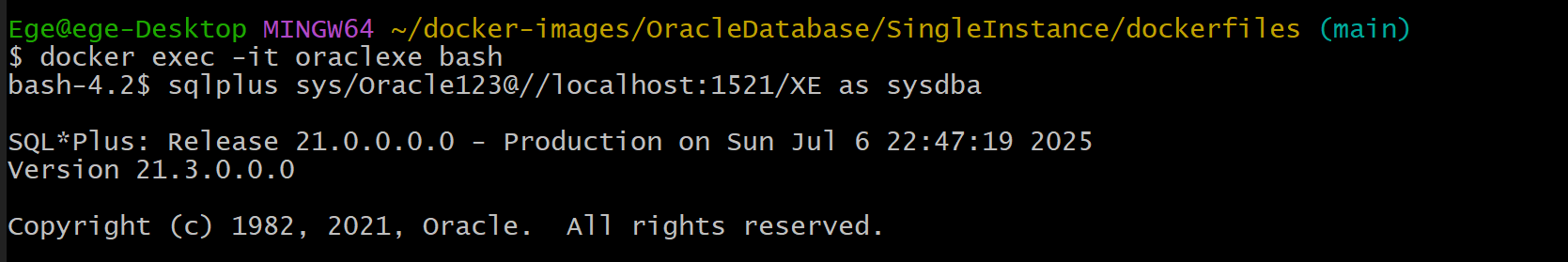
**2- Now we open docker file then we can build the docker image.**

**[](https://private-user-images.githubusercontent.com/209494583/462986746-ec0e005e-222b-46be-8ec9-7613f1d9cea2.png?jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJnaXRodWIuY29tIiwiYXVkIjoicmF3LmdpdGh1YnVzZXJjb250ZW50LmNvbSIsImtleSI6ImtleTUiLCJleHAiOjE3NTE4NDM2MjEsIm5iZiI6MTc1MTg0MzMyMSwicGF0aCI6Ii8yMDk0OTQ1ODMvNDYyOTg2NzQ2LWVjMGUwMDVlLTIyMmItNDZiZS04ZWM5LTc2MTNmMWQ5Y2VhMi5wbmc_WC1BbXotQWxnb3JpdGhtPUFXUzQtSE1BQy1TSEEyNTYmWC1BbXotQ3JlZGVudGlhbD1BS0lBVkNPRFlMU0E1M1BRSzRaQSUyRjIwMjUwNzA2JTJGdXMtZWFzdC0xJTJGczMlMkZhd3M0X3JlcXVlc3QmWC1BbXotRGF0ZT0yMDI1MDcwNlQyMzA4NDFaJlgtQW16LUV4cGlyZXM9MzAwJlgtQW16LVNpZ25hdHVyZT1mYTljNDBhYjkwZTFhYTY2NDE0NTY1NWZjZTEzMDZkMWU3Y2YwMDBlNzI4OWNkZDUxZWJjMWMxZDY1NjM0NzhjJlgtQW16LVNpZ25lZEhlYWRlcnM9aG9zdCJ9.l44UijzLtY9GsAeeTZ7ryyExPfG-58NOPwXp-nrX03Y)**

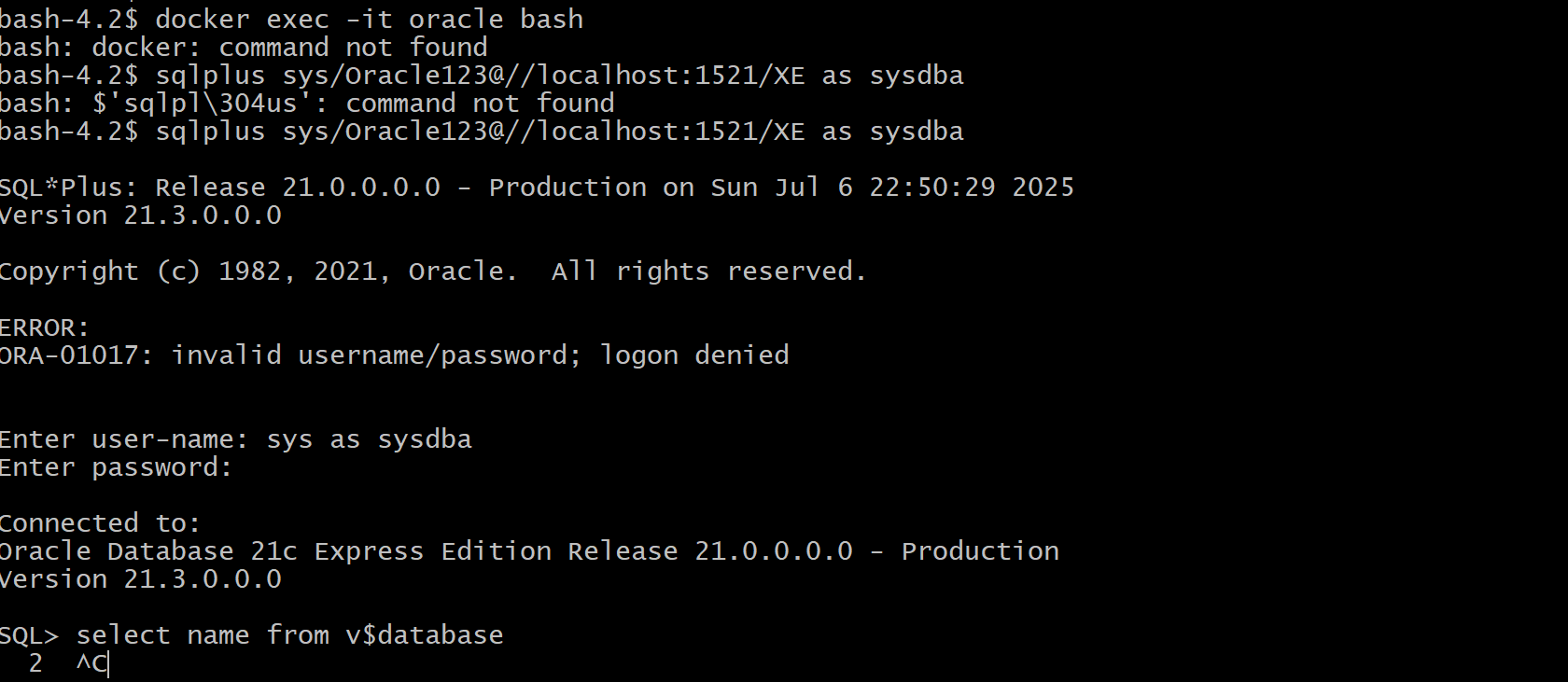
**3- And run the container.**

**[](https://private-user-images.githubusercontent.com/209494583/462986905-4507ae9b-6e30-4ef8-a730-26630dc189fe.png?jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJnaXRodWIuY29tIiwiYXVkIjoicmF3LmdpdGh1YnVzZXJjb250ZW50LmNvbSIsImtleSI6ImtleTUiLCJleHAiOjE3NTE4NDM2MjEsIm5iZiI6MTc1MTg0MzMyMSwicGF0aCI6Ii8yMDk0OTQ1ODMvNDYyOTg2OTA1LTQ1MDdhZTliLTZlMzAtNGVmOC1hNzMwLTI2NjMwZGMxODlmZS5wbmc_WC1BbXotQWxnb3JpdGhtPUFXUzQtSE1BQy1TSEEyNTYmWC1BbXotQ3JlZGVudGlhbD1BS0lBVkNPRFlMU0E1M1BRSzRaQSUyRjIwMjUwNzA2JTJGdXMtZWFzdC0xJTJGczMlMkZhd3M0X3JlcXVlc3QmWC1BbXotRGF0ZT0yMDI1MDcwNlQyMzA4NDFaJlgtQW16LUV4cGlyZXM9MzAwJlgtQW16LVNpZ25hdHVyZT0wZWJiZmZjNDVhZjk0MGI2MmUzNDI5ZWY1ZGRhZjNhNGM2YWJlZTk0ZWJhZGNjZmNlMjIyNzRiYTFmNWVjYjdkJlgtQW16LVNpZ25lZEhlYWRlcnM9aG9zdCJ9.5R3-8Q_l3CH9oQ-KovnclIDOy3DBpvrtNbSDaSJgjtY)**

**4- We have to connect Oracle container.**

**[](https://private-user-images.githubusercontent.com/209494583/462987464-7d5ed244-d0c9-4e93-8096-261b9bc209c9.png?jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJnaXRodWIuY29tIiwiYXVkIjoicmF3LmdpdGh1YnVzZXJjb250ZW50LmNvbSIsImtleSI6ImtleTUiLCJleHAiOjE3NTE4NDM2MjEsIm5iZiI6MTc1MTg0MzMyMSwicGF0aCI6Ii8yMDk0OTQ1ODMvNDYyOTg3NDY0LTdkNWVkMjQ0LWQwYzktNGU5My04MDk2LTI2MWI5YmMyMDljOS5wbmc_WC1BbXotQWxnb3JpdGhtPUFXUzQtSE1BQy1TSEEyNTYmWC1BbXotQ3JlZGVudGlhbD1BS0lBVkNPRFlMU0E1M1BRSzRaQSUyRjIwMjUwNzA2JTJGdXMtZWFzdC0xJTJGczMlMkZhd3M0X3JlcXVlc3QmWC1BbXotRGF0ZT0yMDI1MDcwNlQyMzA4NDFaJlgtQW16LUV4cGlyZXM9MzAwJlgtQW16LVNpZ25hdHVyZT0yZGJmM2I3NDM4NDhkOWMwOWFhMGQzOTFhODVhNGJmZTM2ZmEzYjBhYjVjMGZlZjVmN2RmNjliYzczZGYyMzhkJlgtQW16LVNpZ25lZEhlYWRlcnM9aG9zdCJ9.VJLBavG7AJ8Bg30EinM75X1Z_3GTwJPYTIHCfyvFn30)**

**5- Connect to SQLplus and test.**

**[](https://private-user-images.githubusercontent.com/209494583/462987551-a0687a7a-323c-4947-9e6d-0801c6ecef75.png?jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJnaXRodWIuY29tIiwiYXVkIjoicmF3LmdpdGh1YnVzZXJjb250ZW50LmNvbSIsImtleSI6ImtleTUiLCJleHAiOjE3NTE4NDM2MjEsIm5iZiI6MTc1MTg0MzMyMSwicGF0aCI6Ii8yMDk0OTQ1ODMvNDYyOTg3NTUxLWEwNjg3YTdhLTMyM2MtNDk0Ny05ZTZkLTA4MDFjNmVjZWY3NS5wbmc_WC1BbXotQWxnb3JpdGhtPUFXUzQtSE1BQy1TSEEyNTYmWC1BbXotQ3JlZGVudGlhbD1BS0lBVkNPRFlMU0E1M1BRSzRaQSUyRjIwMjUwNzA2JTJGdXMtZWFzdC0xJTJGczMlMkZhd3M0X3JlcXVlc3QmWC1BbXotRGF0ZT0yMDI1MDcwNlQyMzA4NDFaJlgtQW16LUV4cGlyZXM9MzAwJlgtQW16LVNpZ25hdHVyZT1jN2EwMzU3ZTljYjI0YjE2N2IxM2VhZWU1ZDkzZjNlMWRkMzgzODA0OGFjZDY0NjEyMzUyMWExNDcyNmRlZDM4JlgtQW16LVNpZ25lZEhlYWRlcnM9aG9zdCJ9.k4L65UH-lvlSxX5hSRNXg7F6I6WAHtKNr7o6qL9oxjM)**

### You should see just 2 I typo ^C