

✓ Part 2: To check if your Oracle 19c database in Docker is working correctly, follow these step-by-step verification methods:

✓ 1. Check Container Logs

Run:

```
docker logs -f tordb1-container
```

You're looking for **this success message** near the end:

```
DATABASE IS READY TO USE!
```

If you see that, it means Oracle was installed, the listener started, and the DB is operational.

✓ 2. Check Container Status

```
docker ps
```

You should see a container like this running:

CONTAINER ID	IMAGE	...	NAMES
abc12345	oracle-db:latest	...	tordb1-container

If it's not running, check with:

```
docker compose ps -a
```

✓ 3. Connect to Oracle DB from Inside the Container

```
docker exec -u oracle -it tordb1-container bash
```

Then try connecting to SQL*Plus:

```
sqlplus zeus/pwdtrainer@ORCLCDB
```

You should see:

```
Connected to:  
Oracle Database 19c ...
```

✓ 4. Verify the PDB (Pluggable Database)

Once inside SQL*Plus:

```
SHOW CON_NAME;
```

You should see your PDB, for example: TORDB1

If not, connect to it:

```
ALTER SESSION SET CONTAINER=TORDB1;
```

✓ 5. Check Listener

Still inside the container, check the listener status:

```
lsnrctl status
```

It should show ports 1521 open and a service like TORDB1 listed.

✓ 6. Optional: Connect from Host (e.g., SQL Developer)

You can also test externally:

- **Hostname:** localhost
 - **Port:** 1521
 - **Service Name:** ORCLCDB / **SID:** TORDB1
 - **User:** zeus
 - **Password:** pwdtrainer
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✓ Part 2: Create a new user/schema (optional)

Inside SQL*Plus:

```
CREATE USER testuser IDENTIFIED BY testpass;  
GRANT CONNECT, RESOURCE TO testuser;
```

✓ Step 3: Create a table

Switch to the user:

```
CONNECT testuser/testpass@ORCLCDB;
```

Then create a table:

```
CREATE TABLE employees (id NUMBER PRIMARY KEY, name VARCHAR2(100), department  
VARCHAR2(100), hire_date DATE);
```

```
INSERT INTO employees (id, name, department, hire_date) VALUES (1, 'Alice',  
'IT', SYSDATE);
```

```
COMMIT;
```

```
SELECT * FROM employees;
```



Exit SQL*Plus

EXIT;
