

# Un-installation of oracle 21c

13 February 2025 05:30



- Sysdm.cpl - Environment Variable
- Registry editor - regedit
- User and user group (lusrmgr.msc)
- Delete the folder in C:/app/admin/product/21c\*

**HKEY\_LOCAL\_MACHINE → SOFTWARE → ORACLE**  
**HKEY\_LOCAL\_MACHINE → SYSTEM → CurrentControlSet → Services**

- |                        |                                |
|------------------------|--------------------------------|
| 1.ORA_ASMADMIN         | 8. ORA_INSTALL                 |
| 2.ORA_ASMDBA           | 9. ORA_OPER                    |
| 3.ORA_ASMOPER          | 10. ORA_OraDB21Home1_DBA       |
| 4.ORA_CLIENT_LISTENERS | 11. ORA_OraDB21Home1_OPER      |
| 5.ORA_DBA              | 12. ORA_OraDB21Home1_SYSBACKUP |
| 6.ORA_DB SVCACCTS      | 13. ORA_OraDB21Home1_SYSDBG    |
| 7.ORA_GRID_LISTENERS   | 14. ORA_OraDB21Home1_SYSKM     |

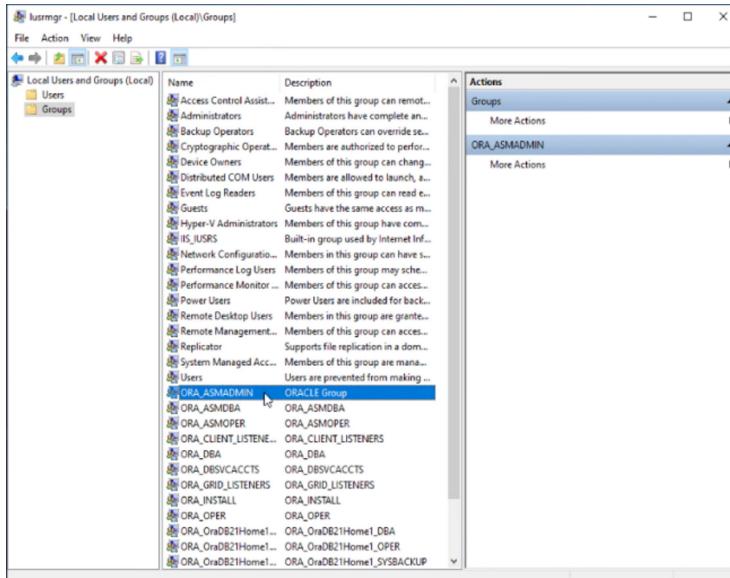
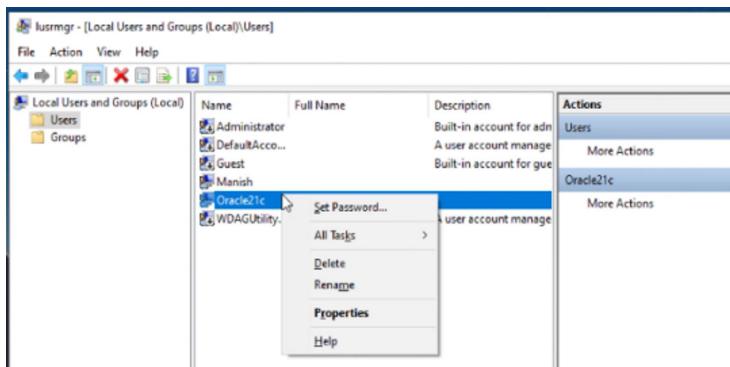
## OracleJobSchedulerORCL

## OracleOraDB21Home1MTSRecoveryService

## OracleOraDB21Home1TNSListener

## OracleServiceORCL

## OracleVssWriterORCL



# Sqlplus

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```
Select SQL Plus

SQL*Plus: Release 21.0.0.0.0 - Production on Mon Nov 7 15:11:40 2022
Version 21.3.0.0.0

Copyright (c) 1982, 2021, Oracle. All rights reserved.

Enter user-name: system
Enter password:
Last Successful login time: Mon Nov 07 2022 15:10:49 +05:30

Connected to:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0

SQL>
```

```
Version 21.3.0.0.0

Copyright (c) 1982, 2021, Oracle. All rights reserved.

Enter user-name: system
Enter password:
Last Successful login time: Mon Nov 07 2022 15:10:49 +05:30

Connected to:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0

SQL> create table student(rollno number(3),name varchar2(20));

Table created.

SQL> desc student;
```

```
SQL*Plus

Connected to:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0

SQL> create table student(rollno number(3),name varchar2(20));

Table created.

SQL> desc student;
          Name           Null?    Type
-----  -----
ROLLNO                      NUMBER(3)
NAME                         VARCHAR2(20)

SQL> insert into student values(1,'sunita');

1 row created.

SQL> s
```

Version 21.3.0.0.0

Copyright (c) 1982, 2021, Oracle. All rights reserved.

Enter user-name: sys as sysdba

Enter password:

```
Select SQL Plus

Connected to:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0

SQL> startup
ORA-01081: cannot start already-running ORACLE - shut it down first
SQL> shutdown
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> startup
ORACLE instance started.

Total System Global Area 1610610072 bytes
Fixed Size                 9856408 bytes
Variable Size              419430400 bytes
Database Buffers           1174405120 bytes
Redo Buffers               6918144 bytes
Database mounted.
```

Oracle Database Express Edition

New Tab

https://localhost:5500/em| https://localhost:5500/em - Google Search

Oracle Database Express Edition | Sign In To Oracle Enterprise Manager | Not secure | https://localhost:5500/em/login

# ORACLE ENTERPRISE MANAGER DATABASE EXPRESS

Username

Password

Container Name

**Log in**

Oracle Database Express Edition | Oracle Enterprise Manager Data | Not secure | https://localhost:5500/em/shell

Status

- Up Time 1 minutes, 35 seconds
- Type Single Instance (xe)
- CDB (1 PDB(s))
- Version 21.3.0.0 Express Edition
- Platform Name Microsoft Windows x86 64-bit
- Thread 1
- Archiver Stopped
- Last Backup Time N/A
- Incident(s) 0

Performance

Activity Services Containers

No data to display

Information

Resources

CPU Usage

Background: 0.02 ms/s

Foreground: 0.01 ms/s

Active Sessions

Wait: 0.12

User I/O: 0.06

CPU: 0.02

Memory

total_sga	3.7 GB
total_pga	2.8 GB
target_PGA	1.9 GB
shared_pool	953.7 MB
large_pool	0 B
buffer cache	572.2 MB
Shared IO Pool	381.5 MB
XEPDB1	190.7 MB

Data Storage

SQL Monitor - Last Hour (20 max)

# Errors

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There is a bug in Oracle Database on Windows with machine name (Device name) greater than 16 characters. I will be posting a sticky to this forum about the issue soon.

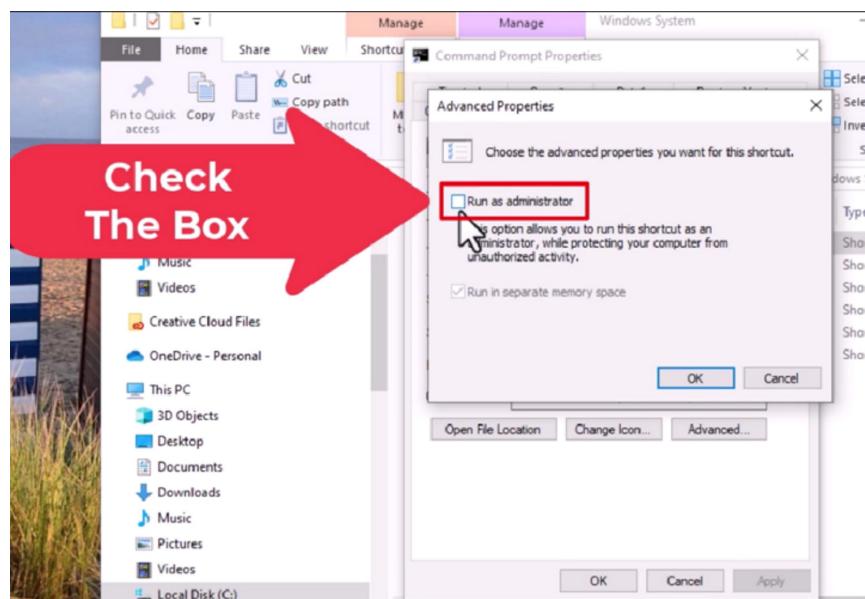
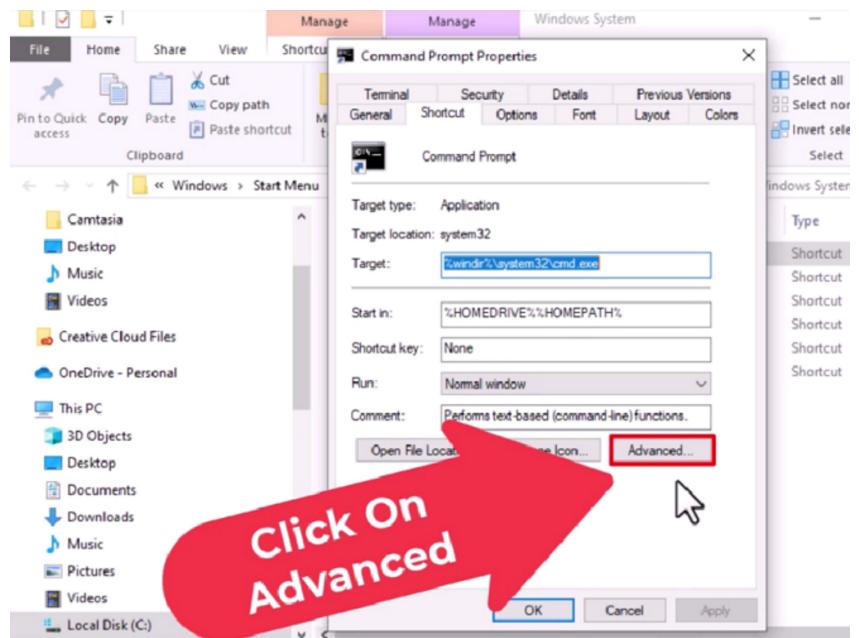
If you see this error:

"O/S-Error: (OS 1053) The service did not respond to the start or control request in a timely fashion."

Try changing your machine name/device name to 16 characters or less and then restart your machine and try to reinstall.

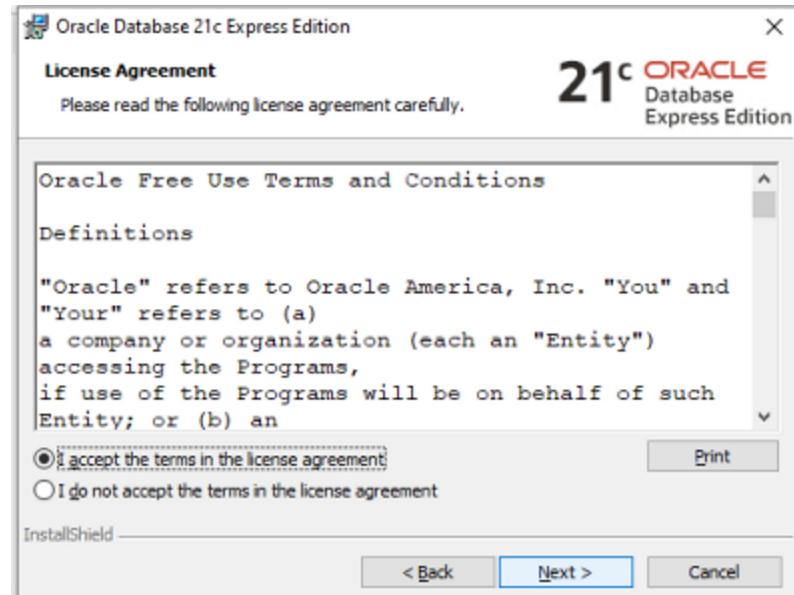
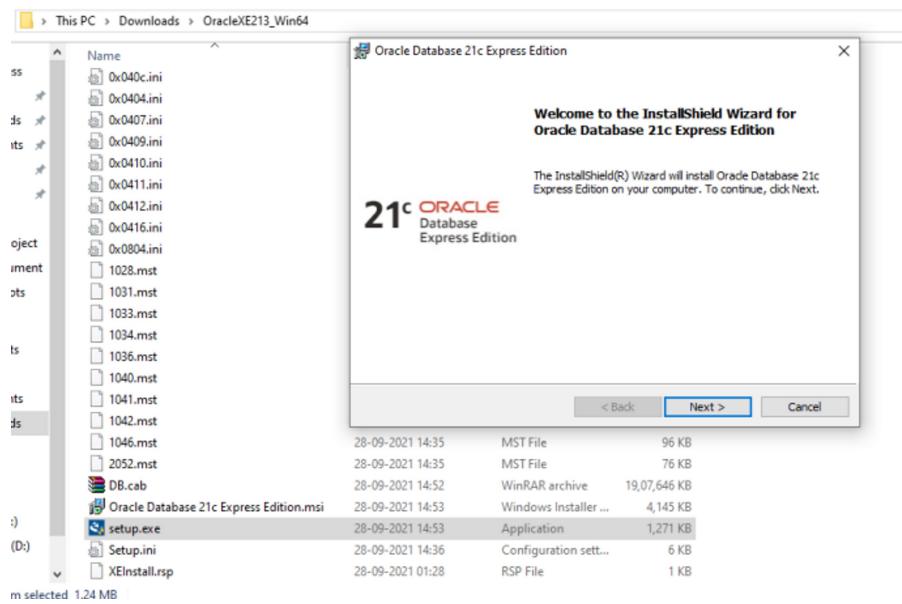
# Misc

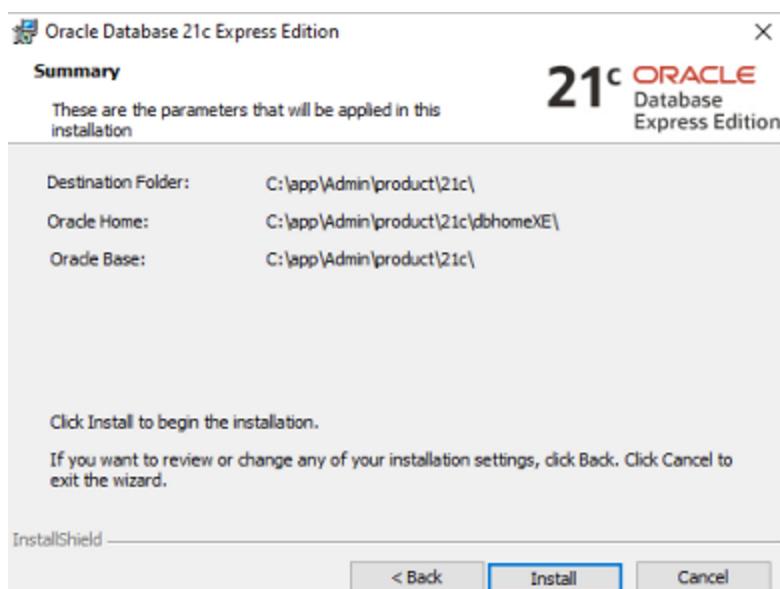
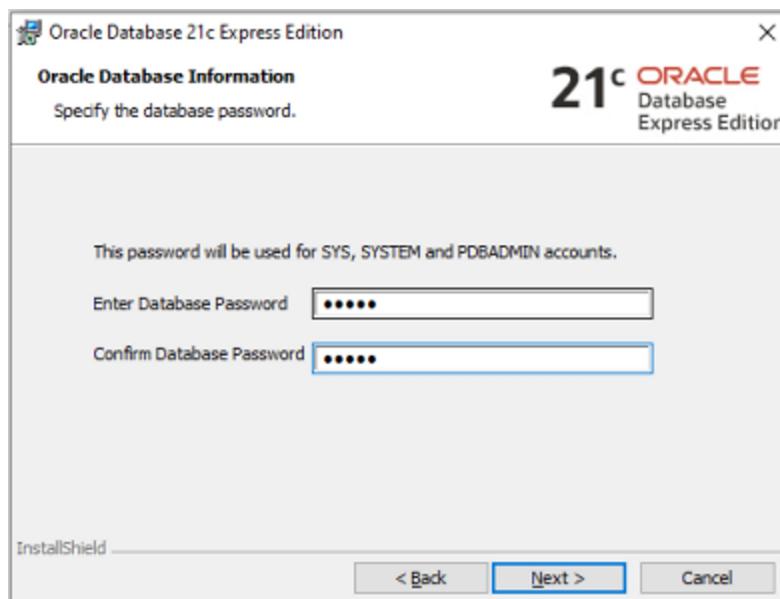
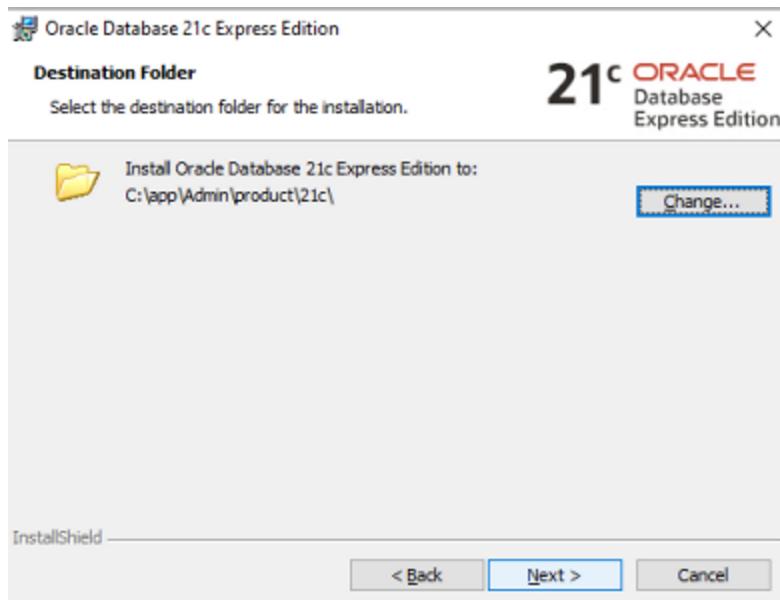
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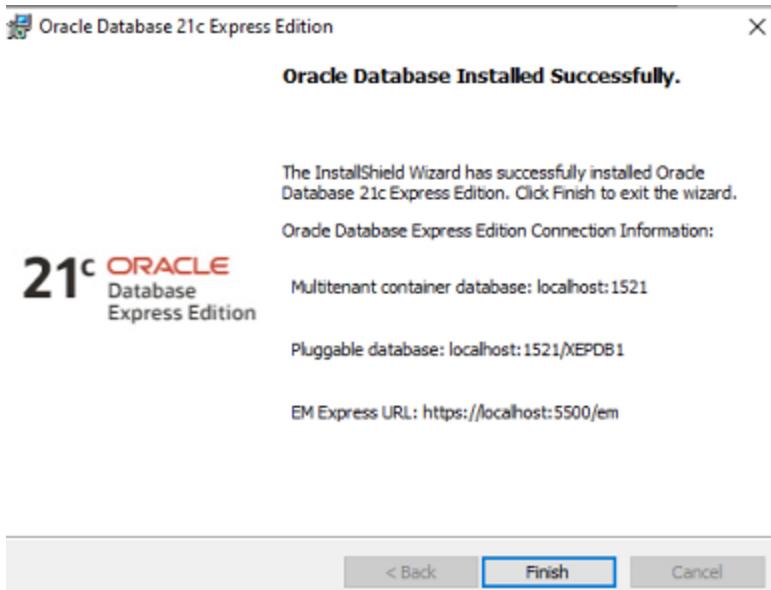
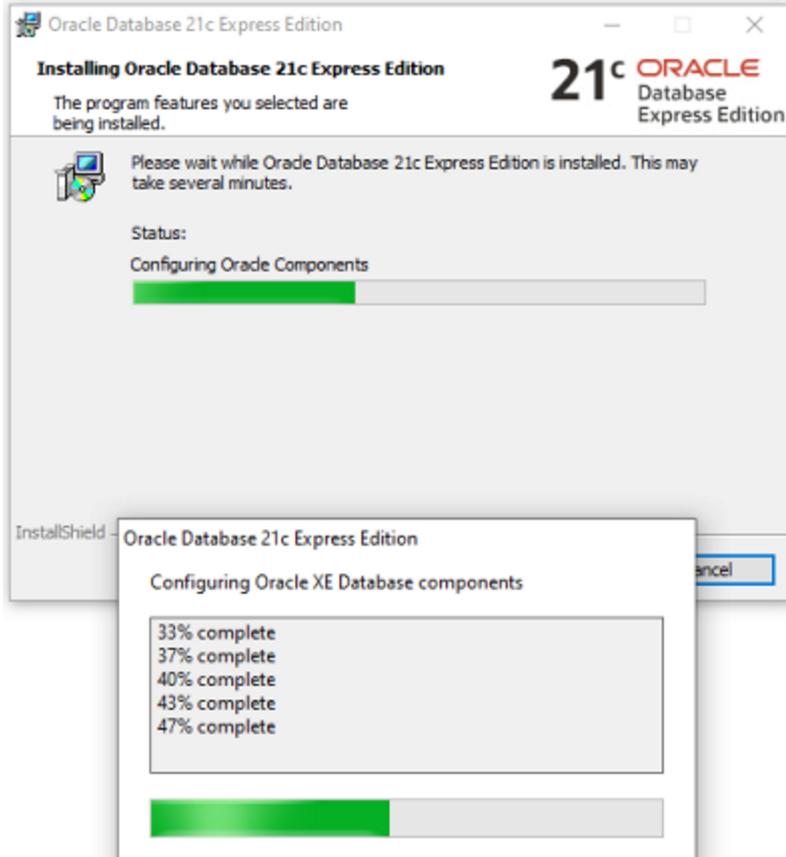


# Installation of oracle

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# SQL

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# In admin schema

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-- connect to admin USER

@ C:\app\Admin\product\21c\dbhomeXE\demo\schema\human\_resources\hr\_main.sql

Parameter 1 :

-----  
hr

Parameter 2 :

-----  
users

Parameter 3 :

-----  
temp

Parameter 4 :

-----  
admin

Parameter 5 ::

-----  
\$ORACLE\_HOME/demo/schema/log

Parameter 6 ::

-----  
localhost:1521/XEPDB1

CREATE USER login360 IDENTIFIED BY login360 DEFAULT TABLESPACE users TEMPORARY TABLESPACE TEMP;

GRANT CONNECT  
,RESOURCE  
TO login360;

GRANT CREATE SESSION  
TO login360;

-- list of tablespaces  
SELECT \*  
FROM dba\_tablespaces;

--size of table space  
SELECT \*  
FROM dba\_data\_files;

SELECT \*

```
FROM dba_free_space;

SELECT *
FROM dba_users;

SELECT *
FROM dba_roles;

SELECT *
FROM dba_sys_privs
WHERE grantee = 'LOGIN360';

SELECT *
FROM DBA_TABLES;

SELECT *
FROM DBA_TAB_COLUMNS;

SELECT *
FROM V$SESSION;

SELECT *
FROM V$SQL
WHERE ROWNUM <= 10;

DESC V$SQL;

-- data file --.dbf
-- tablespace -- folder with multiple datafile
CREATE tablespace login360 datafile 'C:\APP\ADMIN\PRODUCT\21C\ORADATA\XE\XEPDB1
\LOGIN360.DBF' SIZE 100 M AUTOEXTEND ON;

SELECT *
FROM DBA_TS_QUOTAS;

ALTER USER LOGIN360 QUOTA 500 M ON login360;

SELECT *
FROM DBA_USERS;

ALTER USER LOGIN360 DEFAULT TABLESPACE LOGIN360;
```

# Connect to HR Schema

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-- connect to HR USER

select \* from employees; -- No data will be present initially. Then execute the below commands in HR

@ C:\app\Admin\product\21c\dbhomeXE\demo\schema\human\_resources\hr\_cre.sql

@ C:\app\Admin\product\21c\dbhomeXE\demo\schema\human\_resources\hr\_popul.sql

@ C:\app\Admin\product\21c\dbhomeXE\demo\schema\human\_resources\hr\_idx.sql

@ C:\app\Admin\product\21c\dbhomeXE\demo\schema\human\_resources\hr\_code.sql

@ C:\app\Admin\product\21c\dbhomeXE\demo\schema\human\_resources\hr\_comnt.sql

@ C:\app\Admin\product\21c\dbhomeXE\demo\schema\human\_resources\hr\_analz.sql

# Query

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```
-- connect to login360 USER
CREATE TABLE customer (
    ID number(6)
    ,NAME varchar2(50)
    ,DOB DATE
    ,EMAIL VARCHAR2(100)
);

SELECT *
FROM customer;

SELECT *
FROM USER_USERS;

SELECT *
FROM USER_TABLES;

ALTER TABLE CUSTOMER MOVE TABLESPACE LOGIN360;

INSERT INTO customer (
    ID
    ,NAME
    ,DOB
    ,EMAIL
    )
VALUES (
    1
    ,'KUHAN'
    ,'12-01-1994'
    ,'KUHAN@GMAIL.COM'
);

--SQL Error: ORA-01950: no privileges on tablespace 'USERS'
INSERT INTO customer (
    ID
    ,NAME
    ,DOB
    ,EMAIL
    )
VALUES (
    1
    ,'SHIVA'
    ,'10/01/2000'
    ,'SHIVA@GMAIL.COM'
);

INSERT INTO customer (
```

```
ID  
,NAME  
,DOB  
,EMAIL  
)  
VALUES (  
3  
, 'KISHORE'  
, '11012020'  
, 'KISHORE@GMAIL.COM'  
);  
  
INSERT INTO customer (  
ID  
,NAME  
,DOB  
,EMAIL  
)  
VALUES (  
5  
, 'DEFAULT'  
, '19010112'  
, 'DEFAULT@GMAIL.COM'  
);  
  
INSERT INTO customer (  
ID  
,NAME  
,DOB  
,EMAIL  
)  
VALUES (  
5  
, 'DEFAULT'  
, TO_DATE('19010112', 'yyyyMMdd')  
, 'DEFAULT@GMAIL.COM'  
);  
  
SELECT *  
FROM v$nis_parameters;  
  
ALTER session  
  
SET NLS_DATE_FORMAT = 'DD-MM-YYYY';'DD-MM-RR'  
  
COMMIT;  
  
SELECT *  
FROM CUSTOMER;  
  
INSERT INTO customer (  
ID  
,NAME
```

```
,DOB  
,EMAIL  
)  
VALUES (  
1234  
'ROLLBACK'  
'12-01-1994'  
'ROLLBACK@GMAIL.COM'  
);
```

```
SELECT *  
FROM CUSTOMER;
```

```
ROLLBACK;
```

```
SELECT *  
FROM CUSTOMER;
```

```
COMMIT;
```

```
UPDATE customer  
SET ID = 0000;
```

```
SELECT *  
FROM CUSTOMER;
```

```
ROLLBACK;
```

```
SELECT *  
FROM CUSTOMER;
```

```
UPDATE customer  
SET ID = 1234  
WHERE ID = 5;
```

```
COMMIT;
```

```
----- part 2
```

```
-- alter column  
ALTER TABLE customer ADD country VARCHAR2 (50);
```

```
SELECT *  
FROM customer;
```

```
-- drop a column  
ALTER TABLE customer ADD city VARCHAR2 (50);
```

```
ALTER TABLE customer
```

```
DROP COLUMN city;
```

```
UPDATE customer
SET country = 'India';

COMMIT;

DESC customer;

ALTER TABLE customer ADD mobile INT;

INSERT ALL
INTO customer(mobile)
VALUES (1233435)
INTO customer(mobile)
VALUES (123456)

SELECT *
FROM dual;

SELECT sysdate
FROM dual;

SELECT *
FROM dual;

INSERT INTO customer (mobile)
VALUES ('+91 - 1233435');

SELECT *
FROM customer;

ALTER TABLE customer modify mobile VARCHAR(20);

---- ORA-01440: column to be modified must be empty to decrease precision or scale
----ORA-01439: column to be modified must be empty to change datatype
--altering column method`
CREATE TABLE customer_bk AS (SELECT * FROM customer);

TRUNCATE TABLE customer;

ALTER TABLE customer modify mobile VARCHAR(20);

INSERT INTO customer
SELECT *
FROM customer_bk;

INSERT INTO customer (mobile)
VALUES ('+91 - 1233435');

SELECT *
FROM customer;

DROP TABLE customer_bk;
```

```
DESC customer;

INSERT INTO customer (name)
VALUES ('A');

savepoint a;

INSERT INTO customer (name)
VALUES ('b');

savepoint b;

INSERT INTO customer (name)
VALUES ('c');

savepoint c;

INSERT INTO customer (name)
VALUES ('d');

ROLLBACK TO c;

SELECT *
FROM customer;

ROLLBACK TO b;

COMMIT;
```

--- part 3

```
--DDL
-- create
CREATE TABLE DDL_scripts (
    id INT
    ,numbers NUMERIC(8, 2)
    ,NAMES VARCHAR(20)
    ,name2 varchar2(20)
    ,name3 CHAR(20)
    ,dob DATE
);

--alter
ALTER TABLE DDL_scripts ADD numbers2 DECIMAL;

SELECT *
FROM DDL_scripts;

--rename
rename ddl_scripts TO ddl_Scripting;
```

```
SELECT *
FROM DDL_scripts;

SELECT *
FROM ddl_Scripting;

ALTER TABLE ddl_Scripting rename COLUMN numbers2 TO numbers4;

SELECT *
FROM ddl_scripting;

--truncate
TRUNCATE TABLE ddl_Scripting;

--`drop
DROP TABLE ddl_Scripting;

-- no rollback
-- auto commit
CREATE TABLE DDL_scripts (
    id INT
    ,numbers NUMERIC(8, 2)
    ,NAMES VARCHAR(20)
    ,name2 varchar2(20)
    ,name3 CHAR(20)
    ,dob DATE
    );

COMMIT;

DROP TABLE DDL_scripts;

ROLLBACK;

SELECT *
FROM DDL_scripts;

-- DML -- need to explicitly commit and roll back
-- insert
CREATE TABLE DDL_scripts (
    id INT
    ,numbers NUMERIC(8, 2)
    ,NAMES VARCHAR(20)
    ,name2 varchar2(20)
    ,name3 CHAR(20)
    ,dob DATE
    );

INSERT INTO ddl_Scripts
VALUES (
    1
    ,23.23
    ,'ad'
```

```
'df'  
, 'gff'  
, '01-01-2023'  
);  
  
SELECT *  
FROM ddl_Scripts;  
  
--update  
UPDATE ddl_scripts  
SET id = 30  
WHERE dob = '01-01-2023';  
  
SELECT *  
FROM ddl_scripts;  
  
COMMIT;  
  
UPDATE ddl_scripts  
SET id = 25  
WHERE dob = '01-01-2023';  
  
SELECT *  
FROM ddl_scripts;  
  
ROLLBACK;  
  
SELECT *  
FROM ddl_scripts;  
  
--delete  
INSERT INTO ddl_Scripts  
VALUES (  
    5  
, 23.23  
, 'ad'  
, 'df'  
, 'gff'  
, '01-01-2023'  
);  
  
COMMIT;  
  
DELETE  
FROM ddl_Scripts  
WHERE id = 5;  
  
SELECT *  
FROM ddl_scripts;  
  
ROLLBACK;  
  
SELECT *
```

```
FROM ddl_scripts;
```

```
MERGE
```

```
-- DRL  
--select  
SELECT *  
FROM user_tables;
```

```
SELECT *  
FROM customer;
```

```
SELECT count(*)  
FROM customer  
WHERE name IS NULL;
```

```
SELECT name  
      ,count(*) totalRecords  
FROM customer  
GROUP BY name  
HAVING count(*) > 1  
ORDER BY 1;
```

```
DESC customer;
```

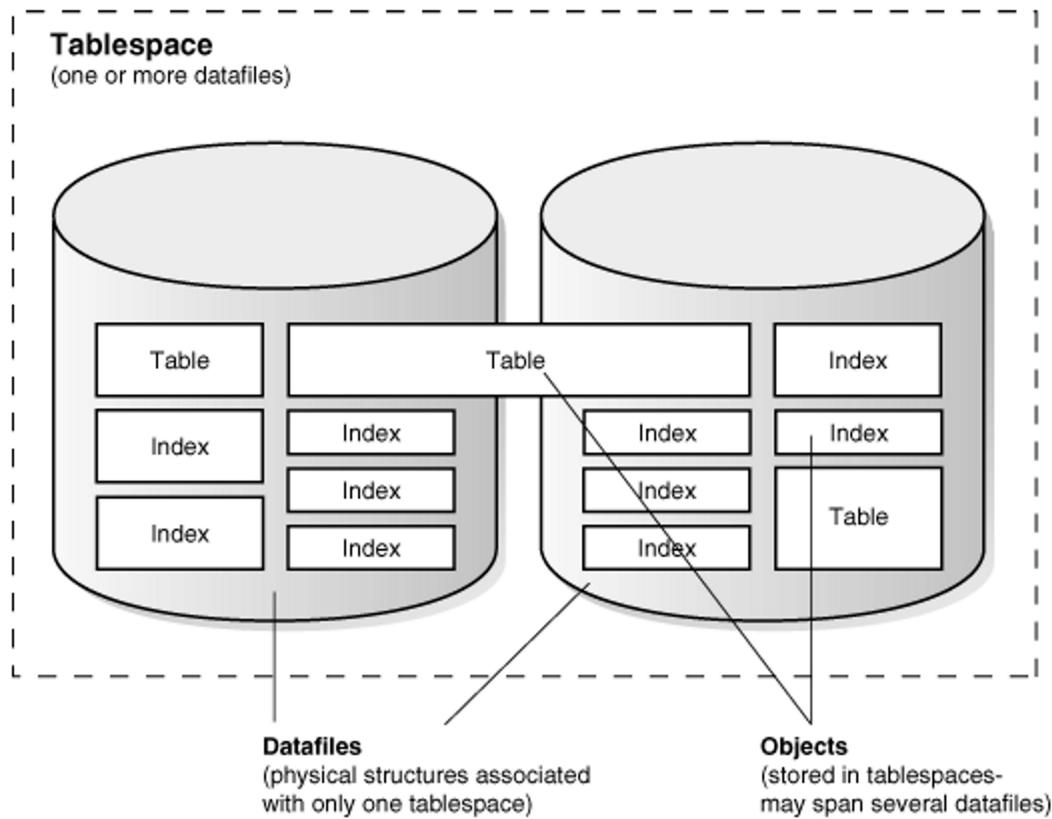
```
-- TCL  
--commit  
--rollback  
--savepoint
```

```
--DCL  
--grant  
--revoke
```

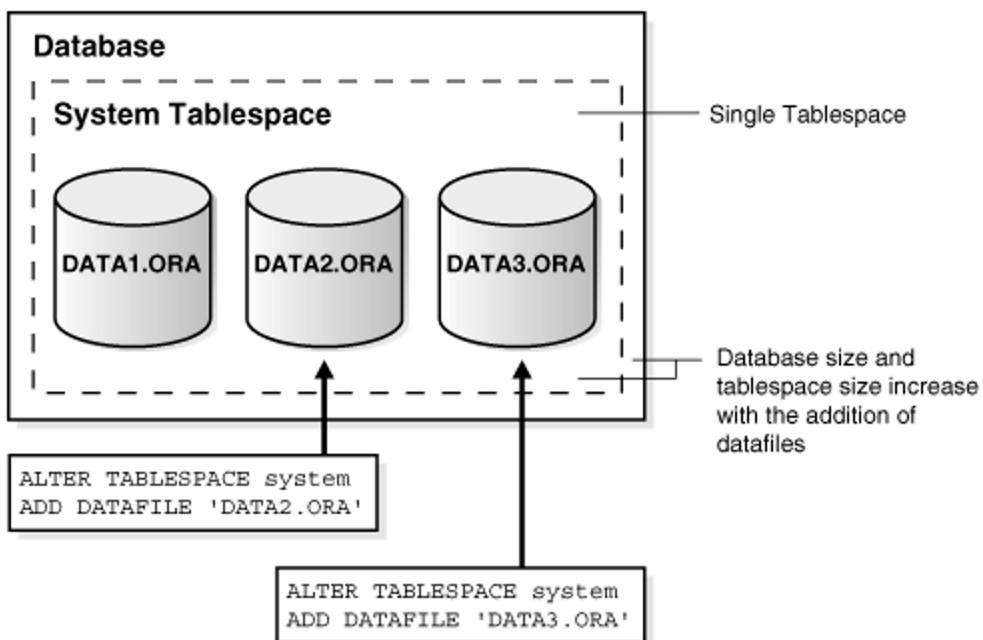
# Concepts

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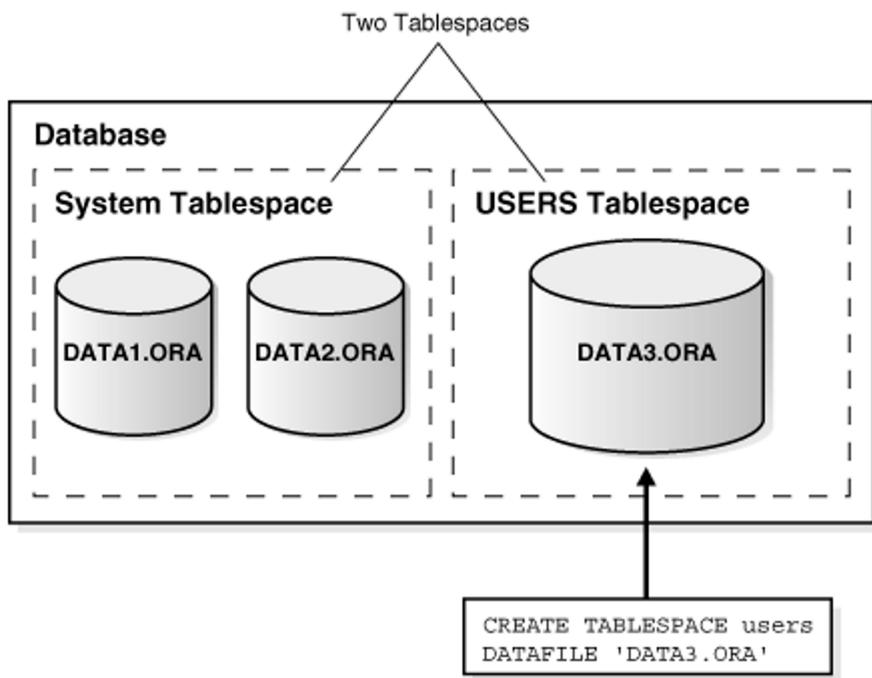
**Figure 3-1 Datafiles and Tablespaces**



**Figure 3-2 Enlarging a Database by Adding a Datafile to a Tablespace**



**Figure 3-3 Enlarging a Database by Adding a New Tablespace**



**Figure 3-4 Enlarging a Database by Dynamically Sizing Datafiles**

