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BAGIAN I

1. pwd

```
[oracle@localhost ~]$ pwd
/home/oracle
```

2. cd Desktop/

```
[oracle@localhost ~]$ cd Desktop/
[oracle@localhost Desktop]$ pwd
/home/oracle/Desktop
```

3. mkdir sistem
mkdir informasi

```
[oracle@localhost Desktop]$ mkdir sistem
[oracle@localhost Desktop]$ mkdir informasi
[oracle@localhost Desktop]$ ls
hai.txt  informasi  sistem
```

4. cd sistem
touch database.txt

```
[oracle@localhost Desktop]$ cd sistem
[oracle@localhost sistem]$ ls
[oracle@localhost sistem]$ pwd
/home/oracle/Desktop/sistem
[oracle@localhost sistem]$ touch database.txt
[oracle@localhost sistem]$ ls
database.txt
```

5. mv database.txt /home/oracle/Desktop/informasi

```
[oracle@localhost sistem]$ mv touch database.txt /home/oracle/Desktop/informasi
mv: cannot stat 'touch': No such file or directory
[oracle@localhost sistem]$ mv database.txt /home/oracle/Desktop/informasi/
mv: cannot stat 'database.txt': No such file or directory
[oracle@localhost sistem]$ ls
[oracle@localhost sistem]$ pwd
/home/oracle/Desktop/sistem
[oracle@localhost sistem]$ ls
[oracle@localhost sistem]$ cd ..
[oracle@localhost Desktop]$ cd informasi
[oracle@localhost informasi]$ ls
database.txt
```

6. chmod 657 database.txt

```
[oracle@localhost informasi]$ chmod 657 database.txt
[oracle@localhost informasi]$ ls -l database.txt
-rw-r-xrwx. 1 oracle oinstall 0 Nov 27 19:37 database.txt
```

7. rmdir sistem

```
[oracle@localhost Desktop]$ rmdir sistem
```

8. cd informasi

```
rm database.txt
```

```
ls
```

```
cd ..
```

```
rmdir informasi
```

```
ls
```

```
[oracle@localhost Desktop]$ cd informasi
[oracle@localhost informasi]$ rm database.txt
[oracle@localhost informasi]$ ls
[oracle@localhost informasi]$ cd ..
[oracle@localhost Desktop]$ rmdir informasi
[oracle@localhost Desktop]$ ls
hai.txt
```

BAGIAN II

1. **Penjelasan:** membuat user bernama darrell dengan password darrell dengan default tablespace TBS_01

query: create user darrell identified by darrell default tablespace TBS_01;

```
SQL> create user darrell identified by darrell default tablespace TBS_01;
User created.
```

Penjelasan: memberikan privilege untuk membuat session, membuat table dan unlimited tablespace kepada darrell.

query: grant create session, create table, unlimited tablespace to darrell;

```
SQL> grant create session, create table, unlimited tablespace to darrell;
Grant succeeded.
```

2. **Penjelasan:** membuat table bernama class dengan user darrell yang berisi data id, name dan description.

query:

```
create table darrell.class(
id NUMBER,
name VARCHAR2(100),
description VARCHAR2(100)
);
```

```
SQL> create table darrell.class(
  2  id NUMBER,
  3  name VARCHAR2(100),
  4  description VARCHAR2(100)
  5  );
```

Table created.

3. query:

```
SQL> SET SERVEROUTPUT ON
SQL> DECLARE
  2  v_instance_name VARCHAR2(50);
  3  v_status VARCHAR2(50);
  4  BEGIN
  5  SELECT instance_name, status
  6  INTO v_instance_name, v_status
  7  FROM v$instance;
  8  DBMS_OUTPUT.PUT_LINE('Nama Instance:' || v_instance_name);
  9  DBMS_OUTPUT.PUT_LINE('Status Saat Ini:' || v_status);
 10  END;
 11  /
```

Hasil nya:

Nama Instance:FREE
Status Saat Ini:OPEN

Penjelasan: query ini berfungsi untuk menampilkan nama instance dan status instance yang sedang aktif.

SERVEROUTPUT → untuk menghasilkan output.

```
SQL> DECLARE
```

```
  2  v_instance_name VARCHAR2(50);
  3  v_status VARCHAR2(50);
```

→ mendeklarasi variabel v_instance_name dan v_status yang keduanya bertipe VARCHAR2(50).

```
BEGIN
```

```
  5  SELECT instance_name, status
  6  INTO v_instance_name, v_status
  7  FROM v$instance;
```

→ mengambil data dari view dinamis (v\$instance) dari kolom instance_name dan status kemudian dimasukkan ke v_instance_name, v_status.

```
DBMS_OUTPUT.PUT_LINE('Nama Instance:' || v_instance_name);
```

```
  9  DBMS_OUTPUT.PUT_LINE('Status Saat Ini:' || v_status);
```

→ untuk menampilkan v_instance_name dan v_status.

```

SQL> SET SERVEROUTPUT ON
SQL> DECLARE
  2  v_instance_name VARCHAR2(50);
  3  v_status VARCHAR2(50);
  4  BEGIN
  5  SELECT instance_name, status
  6  INTO v_instance_name, v_status
  7  FROM v$instance;
  8  DBMS_OUTPUT.PUT_LINE('Nama Instance:' || v_instance_name);
  9  DBMS_OUTPUT.PUT_LINE('Status Saat Ini:' || v_status);
 10  END;
 11  /
Nama Instance:FREE
Status Saat Ini:OPEN

PL/SQL procedure successfully completed.

```

4. query:

SQL> create profile C##GENERAL → membuat common user

2 limit → batasan

3 SESSIONS_PER_USER 4 → session dibatasi hanya 4 per user

4 IDLE_TIME 15 → idle time maksimal 15 menit

5 FAILED_LOGIN_ATTEMPTS 3 → percobaan gagal maksimal 3 kali.

6 PASSWORD_LIFE_TIME 180 → password berlaku selama 180 menit

7 container=all; → berlaku untuk semua container

penjelasan error: operasi tidak dapat dilakukan karena tidak memiliki akses.

```

SQL> create profile C##GENERAL
  2  LIMIT
  3  SESSIONS_PER_USER 4
  4  IDLE_TIME 15
  5  FAILED_LOGIN_ATTEMPTS 3
  6  PASSWORD_LIFE_TIME 180
  7  container=all;
create profile C##GENERAL
*
ERROR at line 1:
ORA-01017: invalid credential or not authorized; logon denied
Help: https://docs.oracle.com/error-help/db/ora-01017/

```

5. query:

SQL> alter session set container=FREEPDB1; → pindahkan dulu ke FREEPDB1

SQL> create user wihardi IDENTIFIED BY quiz2; → buat user wihardi dengan password quiz2.

```
SQL> alter session set container=FREEPDB1;

Session altered.

SQL> create user wihardi IDENTIFIED BY quiz2;

User created.
```

query:

SQL> grant create session, create table, unlimited tablespace, create view, create sequence to wihardi; → memberikan privilege kepada wihardi untuk membuat session, table, view, sequence, dan unlimited tablespace

```
SQL> grant create session, create table, unlimited tablespace, create view, create sequence to wihardi;

Grant succeeded.
```

6. query:

SQL> CREATE TABLESPACE tbsdata
 DATAFILE '/opt/oracle/oradata/FREE/FREEPDB1/tbsdata01.dbf' → tambah '/' sebelum opt.
 SIZE 30M → perubahan dari 30MB menjadi 30M
 EXTENT MANAGEMENT LOCAL → dari MANAGMENT ke MANAGEMENT
 SEGMENT SPACE :MANAGEMENT AUTO; → MANAGEMEN ke MANAGEMENT

```
SQL> CREATE TABLESPACE tbsdata
  2 DATAFILE '/opt/oracle/oradata/FREE/FREEPDB1/tbsdata01.dbf'
  3 SIZE 30M
  4 EXTENT MANAGEMENT LOCAL
  5 SEGMENT SPACE :MANAGEMENT AUTO;
SEGMENT SPACE :MANAGEMENT AUTO
      *
ERROR at line 5:
ORA-30571: invalid SEGMENT SPACE MANAGEMENT clause
Help: https://docs.oracle.com/error-help/db/ora-30571/
```

SQL> CREATE TABLE produk (
 2 id NUMBER,
 3 nama VARCHAR2(50)
 4) TABLESPACE tbsdata;
 → membuat table produk dengan kolom id, dan nama di tablespace tbsdata.
 PERBAIKANNYA: pemberian tanda ',' setelah id number

```
SQL> CREATE TABLE produk (  
  2  id NUMBER,  
  3  nama VARCHAR2(50)  
  4  ) TABLESPACE tbsdata;
```

```
Table created.
```

SQL> INSERT INTO produk VALUES (1, 'penggaris');

→ menginput values ke produk

```
SQL> INSERT INTO produk VALUES (1, 'penggaris');
```

```
1 row created.
```

SQL> COMMIT;

→ menyimpan semua perubahan

```
SQL> COMMIT;
```

```
Commit complete.
```