

Final Project

- 1) Write a SQL statement to find the name of the database.
- 2) Write a SQL statement to find the tablespaces present in the database.
- 3) Create a tablespace named SALES_TB with below properties
 - No Compress
 - Extent Management Local
 - Size 200 mega bytes
 - Autoextend
 - Maximum size 2000 mega bytes
- 4) Create a new user SALES_USER1 with below properties
 - Assign the default tablespace as SALES_TB
 - Assign the default temporary tablespace as TEMP1
 - Grant necessary roles so that user can connect to the session
 - Grant privileges so that user can create tables, insert, delete, update data in his own schema
- 5) Login into the user SALES_USER1 and perform the below tasks

Create a table SALES with columns ORDER_NUMBER, ORDER_DATE, PRODUCT_ID, ITEM_CNT, ORDER_AMOUNT. Make sure ORDER_NUMBER, PRODUCT_ID is the primary key and create a RANGE PARTITION on the column ORDER_DATE.

Create an INDEX on the table PRODUCT_ID.

Insert 4 rows of data into the table SALES.

- 6) Log out of the user SALES_USER1 and login to your DBA account
- 7) Write a SQL statement to find out all the ROLES in the database.
- 8) Create a new role named SL_ROLE with INSERT/UPDATE/DELETE/SELECT privileges on table SALES_USER1.SALES.

9) Create a new user SALES_USER2 with below properties

- Assign the default tablespace as SALES_TB
- Assign the default temporary tablespace as TEMP1
- Grant necessary roles so that user can connect to the session
- Grant role SL_ROLE

10) Now, login to the user SALES_USER2 and test the permissions by inserting, updating, deleting, selecting data from the table SALES_USER1.SALES.

11) Log out of the user SALES_USER2 and login into the DBA account

12) Revoke the DELETE privileges from the role SL_ROLE

13) Log back into the user SALES_USER2 and see if the delete privilege has been revoked.

14) Log off SALES_USER2, connect to the DBA account and now follow the below steps

- Revoke the role SL_ROLE from the user SALES_USER2
- Drop the user SALES_USER2

15) Add a new data file to the tablespace SALES_TB.

16) Write a SQL statement to find the current sessions running in the database;