L10-W11-DBS301-savepoint rollback etc

You will **create 2 tables** firstly, then **remove / restore** these tables and also to **add / modify /remove** certain database objects like **views** in this lab.

1. Create table CITIES **from table LOCATIONS,** but only for location numbers less than 2000 (do NOT create this table from scratch).

🡪 You will have exactly 10 rows here.

When you describe CITIES, the output is shown below:

SQL> DESC cities

Name Null? Type

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LOCATION\_ID NUMBER(4)

STREET\_ADDRESS VARCHAR2(40)

POSTAL\_CODE VARCHAR2(12)

CITY NOT NULL VARCHAR2(30)

STATE\_PROVINCE VARCHAR2(25)

COUNTRY\_ID CHAR(2)

2. Create table TOWNS **from table LOCATIONS,** but only for location numbers less than 1500 (do NOT create this table from scratch). This table will have same structure as table CITIES.

🡪 You will have exactly 5 rows here.

3. Now you will empty your RECYCLE BIN with one powerful command. Then remove your table TOWNS, so that will remain in the recycle bin. Check that it is really there and what time was removed.

4. Restore your table TOWNS from recycle bin and describe it. Check what is in your recycle bin now.

5. Now remove table TOWNS so that does NOT remain in the recycle bin. Check that is really NOT there and then try to restore it. Explain what happened?

6. Create simple view called CAN\_CITY\_VU, based on table CITIES so that will contain only columns Street\_Address, Postal\_Code, City and State\_Province for locations only in CANADA. Then display all data from this view.

7. Modify your simple view so that will have following aliases instead of original column names: Str\_Adr, P\_Code, City and Prov and also will include cities from ITALY as well. Then display all data from this view.

8. Create complex view called CITY\_DNAME\_VU, based on tables LOCATIONS and DEPARTMENTS, so that will contain only columns Department\_Name, City and State\_Province for locations in ITALY or CANADA. Include situations even when city does NOT have department established yet. Then display all data from this view.

9. Modify your complex view so that will have following aliases instead of original column names: DName, City and Prov and also will include all cities outside United States

Include situations even when city does NOT have department established yet. Then display all data from this view.

10. Check in the Data Dictionary what Views (their names and definitions) are created so far in your account. Then drop your CITY\_DNAME\_VU and check Data Dictionary again. What is different?