Lab - 8

SQL query based on DDL Part 1

1. Write a query to create a table emp with empno, ename, designation, and salary.

    QUERY
    ```
    CREATE TABLE emp (
        empno NUMBER(5),
        ename VARCHAR2(50),
        designation VARCHAR2(30),
        salary NUMBER(5,10)
    )
    ```

    OUTPUT

    Table created.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMP	EMPNO	Number	-	5	0	-	✓	-	-
	ENAME	Varchar2	50	-	-	-	✓	-	-
	DESIGNATION	Varchar2	30	-	-	-	✓	-	-
	SALARY	Number	-	5	10	-	✓	-	-
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2. Write a query for create a from an existing table with all the fields

    QUERY
    ```
    CREATE TABLE sample1
    AS
    SELECT *
    FROM locations
    ```

    OUTPUT

    Table created.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
SAMPLE1	LOCATION_ID	Number	-	4	0	-	✓	-	-
	STREET_ADDRESS	Varchar2	40	-	-	-	✓	-	-
	POSTAL_CODE	Varchar2	12	-	-	-	✓	-	-
	CITY	Varchar2	30	-	-	-	-	-	-
	STATE_PROVINCE	Varchar2	25	-	-	-	✓	-	-
	COUNTRY_ID	Char	2	-	-	-	✓	-	-
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3. Write a query for create a table from an existing table with selected fields

    QUERY
    ```
    CREATE TABLE sample2
    AS
    SELECT location_id, city, postal_code, country_id
    FROM locations
    ```

    OUTPUT

    Table created.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
SAMPLE2	LOCATION_ID	Number	-	4	0	-	✓	-	-
	CITY	Varchar2	30	-	-	-	-	-	-
	POSTAL_CODE	Varchar2	12	-	-	-	✓	-	-
	COUNTRY_ID	Char	2	-	-	-	✓	-	-
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4. Write a query for create a new table from an existing table without any record

QUERY

CREATE TABLE sample3
AS
SELECT *
FROM locations
WHERE 1=2

OUTPUT

Table created.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
SAMPLE3	LOCATION_ID	Number	-	4	0	-	✓	-	-
	STREET_ADDRESS	Varchar2	40	-	-	-	✓	-	-
	POSTAL_CODE	Varchar2	12	-	-	-	✓	-	-
	CITY	Varchar2	30	-	-	-	-	-	-
	STATE_PROVINCE	Varchar2	25	-	-	-	✓	-	-
	COUNTRY_ID	Char	2	-	-	-	✓	-	-
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5. Write a Query to Alter the column EMPNO.

QUERY

ALTER TABLE emp
MODIFY (empno NUMBER(12))

OUTPUT

Table altered.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMP	EMPNO	Number	-	12	0	-	✓	-	-
	ENAME	Varchar2	50	-	-	-	✓	-	-
	DESIGNATION	Varchar2	30	-	-	-	✓	-	-
	SALARY	Number	-	5	10	-	✓	-	-
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