

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
COLLEGE OF ENGINEERING AND TECHNOLOGY
SCHOOL OF COMPUTING

DEPARTMENT OF NETWORKING AND COMMUNICATIONS

18CSC209J_ Data Base Management System and Cloud Integration Services

Ex.No. 1

SQL Data Definition Language Commands

Aim:

To perform creation of table, alter, modify and drop column using Data Definition Language (DDL) Commands

FOR CREATING TABLE

CREATE TABLE *tablename* (column_name data_type constraints, ...)

Used to create a table by defining its structure, the data type and name of the various columns, the relationships with columns of other tables etc.

Q1) Create the tables DEPT and EMP as described below

DEPT

<i>Column name</i>	<i>Data type</i>	<i>Description</i>
DEPTNO	Number	Department number
DNAME	Varchar	Department name
LOC	Varchar	Department Location

EMP

<i>Column name</i>	<i>Data type</i>	<i>Description</i>
EMPNO	Number	Employee number
ENAME	Varchar	Employee name
JOB	Char	Designation
MGR	Number	Manager's EMP.No.
HIREDATE	Date	Date of joining
SAL	Number	Basic Salary
COMM	Number	Commission
DEPTNO	Number	Department Number

Q2) Confirm table creation

Q3) List name of the tables created by the user

Q4) Describe tables owned by the user

Q5) View distinct object types owned by the user

Q6) View tables, views, synonyms, and sequences owned by the user

ALTER TABLE

β Add Column

β Drop Column

β Modify Column

Q7) Add new columns COMNT and MISCEL in DEPT table of character type.

Q8) Modify the size of column LOC by 15 in the DEPT table

Q9) Set MISCEL column in the DEPT table as unused

Q10) Drop the column COMNT from the table DEPT

Q11) Drop unused columns in DEPT table

Q12) Rename the table DEPT to DEPT12

Q13) Remove all the rows in the table DEPT12 (Presently no records in DEPT12)

ADDING COMMENTS TO THE TABLES

β You can add comments to a table or column by using the COMMENT statement.

β Comments can be viewed through the data dictionary views.

- ALL_COL_COMMENTS
- USER_COL_COMMENTS
- ALL_TAB_COMMENTS
- USER_TAB_COMMENTS

Syntax :

COMMENT ON TABLE table **IS** 'xxxxxxxxxx';

Q14) Add some comment to the table DEPT12 and also confirm the inclusion of comment

Q15) Delete the table DEPT12 from the database.

Q16) Confirm the removal of table DEPT12 from the database.

