

EXPERIMENT 3

AIM

To familiarize DDL Commands- ALTER,DROP,TRUNCATE,RENAME

QUESTION

- 1.Create a table emp with attributes empno number(4)as primary key, ename char(10), hiredate , salary, commission insert 5 rows of data
- 2.Modifying the structure of tables
 - a. Add new columns: sal number (7,2)
 - b. Dropping a column from a table: sal
 - c. Modifying existing column: ename varchar2(15)
 - d. Renaming the tables: emp to emp1
 - e. truncating the tables: emp1
 - f. Destroying tables:emp
- 3.Create a table stud with sname varchar2(20) primary key , rollno number(10) not null,dob date not null
- 4.Create a table student as regno number (6), mark number (3) check constraint (mark >=0 and mark <=100));
- 5.Create a table cust with(custid number(6) constraint unique, name char(10)

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Batch: RMCA(B)
Date:08 /04/2022

PROCEDURE & OUTPUT

1.CREATE TABLE emp (EMPNO INT (4) PRIMARY KEY, ENAME CHAR (10), HIREDATE DATE, SALARY INT(5),COMMISSION INT(5));

INSERT INTO emp (EMPNO, ENAME, HIREDATE, SALARY, COMMISSION) VALUES
 (101,'RAMESH','1980-01-17',5000, null), (102,'AJAY','1985-07-05',5000,500),
 (103,'RAVI','1981-08-12', 1500, null), (104,'Nikesh','1983-03-03',3000,700),
 (105,'Ravi','1985-07-05', 3000, null);
 select * from emp;

| | EMPNO | ENAME | HIREDATE | SALARY | COMMISSION |
|---|-------|--------|------------|--------|------------|
| ▶ | 101 | RAMESH | 1980-01-17 | 5000 | NULL |
| | 102 | AJAY | 1985-07-05 | 5000 | 500 |
| | 103 | RAVI | 1981-08-12 | 1500 | NULL |
| | 104 | Nikesh | 1983-03-03 | 3000 | 700 |
| | 105 | Ravi | 1985-07-05 | 3000 | NULL |

2a. ALTER TABLE emp ADD sal int;

select * from emp;

| | EMPNO | ENAME | HIREDATE | SALARY | COMMISSION | sal |
|---|-------|--------|------------|--------|------------|------|
| ▶ | 101 | RAMESH | 1980-01-17 | 5000 | NULL | NULL |
| | 102 | AJAY | 1985-07-05 | 5000 | 500 | NULL |
| | 103 | RAVI | 1981-08-12 | 1500 | NULL | NULL |
| | 104 | Nikesh | 1983-03-03 | 3000 | 700 | NULL |
| | 105 | Ravi | 1985-07-05 | 3000 | NULL | NULL |
| * | NULL | NULL | NULL | NULL | NULL | NULL |

2b. ALTER TABLE emp DROP COLUMN sal;

select * from emp;

| | EMPNO | ENAME | HIREDATE | SALARY | COMMISSION |
|---|-------|--------|------------|--------|------------|
| ▶ | 101 | RAMESH | 1980-01-17 | 5000 | NULL |
| | 102 | AJAY | 1985-07-05 | 5000 | 500 |
| | 103 | RAVI | 1981-08-12 | 1500 | NULL |
| | 104 | Nikesh | 1983-03-03 | 3000 | 700 |
| | 105 | Ravi | 1985-07-05 | 3000 | NULL |
| * | NULL | NULL | NULL | NULL | NULL |

2c. ALTER TABLE emp MODIFY ename VARCHAR (15);

select * from emp;

| | EMPNO | ename | HIREDATE | SALARY | COMMISSION |
|---|-------|--------|------------|--------|------------|
| ▶ | 101 | RAMESH | 1980-01-17 | 5000 | NULL |
| | 102 | AJAY | 1985-07-05 | 5000 | NULL |
| | 103 | RAVI | 1981-08-12 | 1500 | NULL |
| | 104 | Nikesh | 1983-03-03 | 3000 | NULL |
| | 105 | Ravi | 1985-07-05 | 3000 | NULL |
| * | NULL | NULL | NULL | NULL | NULL |

2d. RENAME table emp to emp1;
select * from emp;

| | EMPNO | ename | HIREDATE | SALARY | COMMISSION |
|---|-------|--------|------------|--------|------------|
| ▶ | 101 | RAMESH | 1980-01-17 | 5000 | NULL |
| | 102 | AJAY | 1985-07-05 | 5000 | NULL |
| | 103 | RAVI | 1981-08-12 | 1500 | NULL |
| | 104 | Nikesh | 1983-03-03 | 3000 | NULL |
| | 105 | Ravi | 1985-07-05 | 3000 | NULL |
| * | NULL | NULL | NULL | NULL | NULL |

2e. TRUNCATE TABLE emp1;
select * from emp;

| | EMPNO | ename | HIREDATE | SALARY | COMMISSION |
|---|-------|-------|----------|--------|------------|
| * | NULL | NULL | NULL | NULL | NULL |

2f. DROP TABLE emp1;
select * from emp;

| | | | |
|---|----|----------|-----------------|
| ✓ | 52 | 11:26:48 | DROP TABLE emp1 |
|---|----|----------|-----------------|

3.CREATE TABLE stud(sname varchar(20) PRIMARY KEY, rollno int NOT NULL, dob date NOT NULL);

SELECT * FROM stud;

| | sname | rollno | dob |
|---|-------|--------|------|
| * | NULL | NULL | NULL |

4.Create table student (regno int, mark int(3) constraint b check (mark >=0 and mark <=100));
SELECT * from STUDENT;

| | regno | mark |
|--|-------|------|
|--|-------|------|

5.CREATE TABLE cust(custid number(6) UNIQUE, name char(10));
select * from cust;

| | custid | name |
|--|--------|------|
|--|--------|------|