ADVANCED DBMS LAB

Experiment No.: 3

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Roll No:10

Batch: MCA REGULAR

Date:08-04-2022

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:

101	Ramesh	17-Jan-1980	5000	
102	Ajay	05-Jul-1985	5000	500
103	Ravi	12-Aug-1981	1500	
104	Nikesh	03-Mar-1983	3000	700
105	Ravi	05-jul-1985	3000	

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).

PROCEDURE:

1.Create a table emp with attributes empno number(4)as primary key, ename char(10), hiredate, salary, commission:

```
create table emp(empno int(4)primary key,ename char(10),hiredate date,salary int(5),commission int(5));
INSERT INTO EMP VALUES('101','Ramesh','1980-1-17','5000',NULL);
INSERT INTO EMP VALUES('102','Ajay ','1985-7-5','5000','500');
INSERT INTO EMP VALUES('103','Ravi','1981-8-12','1500',NULL);
INSERT INTO EMP VALUES('104','Nikesh','1983-03-03','3000','7000');
INSERT INTO EMP VALUES('105','Ravi','1985-7-05','3000',NULL);
```

2. Modifying the structure of tables

a. Add new columns: sal .
```
73 •    ALTER TABLE emp ADD sal int;
```

b. Dropping a column from a table: sal.
```
74      ALTER TABLE emp DROP COLUMN sal;
```

c. Modifying existing column: ename varchar2(15).
```
71 •    ALTER TABLE emp MODIFY ename VARCHAR(15);
```

d. Renaming the tables: emp to emp1.
```
72 •    RENAME table emp to emp1;
```

e. Truncating the tables: emp1.
```
73 •    TRUNCATE TABLE emp1;
```

f. Destroying tables: emp.
```
74 •    DROP TABLE emp1;
```

3.Create a table stud with sname varchar2(20) primary key, rollno number (10) not null, dob date not null.
```
75 •    CREATE TABLE stud(sname varchar(20) PRIMARY KEY, rollno int 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)).
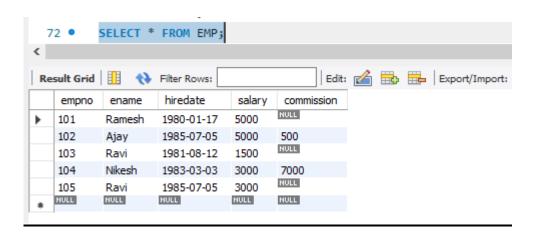```
77 •   Create table student (regno int, mark int(3) constraint b check (mark >=0 and mark <=100));
```

**5. Create a table cust with (custid number (6) constraint unique, name char (10).**
```
80 •   CREATE TABLE cust(custid int(6) UNIQUE, name char(10));
```
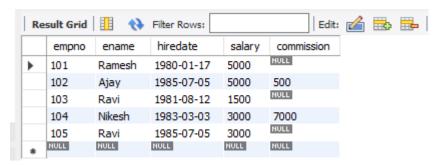
**OUTPUT:**

**1.Create a table emp with attributes empno number(4)as primary key, ename char(10), hiredate, salary, commission:**
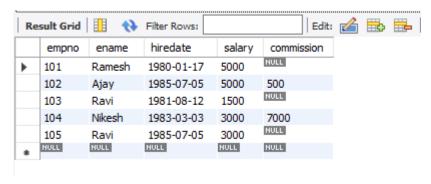
| empno | ename | hiredate | salary | commission |
|-------|-------|----------|--------|------------|
| 101 | Ramesh | 1980-01-17 | 5000 | NULL |
| 102 | Ajay | 1985-07-05 | 5000 | 500 |
| 103 | Ravi | 1981-08-12 | 1500 | NULL |
| 104 | Nikesh | 1983-03-03 | 3000 | 7000 |
| 105 | Ravi | 1985-07-05 | 3000 | NULL |
| NULL | NULL | NULL | NULL | NULL |

**2. Modifying the structure of tables**

**a. Add new columns: sal.**

| 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 | 7000 | NULL |
| 105 | Ravi | 1985-07-05 | 3000 | NULL | NULL |
| NULL | NULL | NULL | NULL | NULL | NULL |

**b. Dropping a column from a table: sal.**

| 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 | 7000 |
| 105 | Ravi | 1985-07-05 | 3000 | NULL |
| NULL | NULL | NULL | NULL | NULL |

**c. Modifying existing column: ename varchar2(15)**

| 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 | 7000 |
| 105 | Ravi | 1985-07-05 | 3000 | NULL |
| NULL | NULL | NULL | NULL | NULL |

### d. Renaming the tables: emp to emp1.

| 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 | 7000 |
| 105 | Ravi | 1985-07-05 | 3000 | NULL |
| NULL | NULL | NULL | NULL | NULL |

### e. truncating the tables: emp1.

| empno | ename | hiredate | salary | commission |
|-------|-------|----------|--------|------------|
| NULL | NULL | NULL | NULL | NULL |

### 3.Create a table stud with sname varchar2(20) primary key, rollno number (10) not null, dob date  not null.

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

### 4.Create a table student as regno number (6), mark number (3) check constraint (mark >=0 and mark<=100)).

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

### 5. Create a table cust with (custid number (6) constraint unique, name char (10).

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