

**ADVANCED DBMS LAB****Experiment No.: 3****Name :** Susan Sebastian**Roll No :** 45**Batch :** B**Date:** 01-04-2022**Aim**

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

**Commands**

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

```
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',5000,500), (102,'AJAY','1985-07-05',5000,500),
(103,'RAVI','1981-08-12',1500,150), (104,'Nikesh','1983-03-03',3000,300),
(105,'Ravi','1985-07-05',3000,300);
```

	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	500
	104	Nikesh	1983-03-03	3000	300
	105	Ravi	1985-07-05	3000	NULL
★	NULL	NULL	NULL	NULL	NULL

2. Modifying the structure of tables a) Add new columns: sal number

```
ALTER TABLE EMP ADD SAL INT;
```

	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	500
	104	Nikesh	1983-03-03	3000	300
	105	Ravi	1985-07-05	3000	NULL
★	NULL	NULL	NULL	NULL	NULL

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

```
ALTER TABLE EMP DROP COLUMN SAL;
```

	EMPNO	ENAME	HIREDATE	SALARY	COMMISSION
▶	101	RAMESH	1980-01-17	5000	500
	102	AJAY	1985-07-05	5000	500
	103	RAVI	1981-08-12	1500	150
	104	NIKESH	1983-03-03	3000	300
	105	RAVI	1985-07-05	3000	300
*	NULL	NULL	NULL	NULL	NULL

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

```
ALTER TABLE EMP MODIFY ename VARCHAR(15);
```

**d) Renaming the tables: emp to emp1**

```
RENAME TABLE EMP to EMP1;
```

**e) Truncating the tables:emp1**

```
TRUNCATE TABLE EMP1;
```

	EMPNO	ENAME	HIREDATE	SALARY	COMMISSION
*	NULL	NULL	NULL	NULL	NULL

**f) Destroying tables:emp**

```
DROP TABLE EMP1;
```

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

```
CREATE TABLE STUD(SNAME VARCHAR(20) PRIMARY KEY, ROLLNO INT NOT NULL, DOB DATE NOT NULL);
```

```
14 • CREATE TABLE STUD(SNAME VARCHAR(20) PRIMARY KEY, ROLLNO INT NOT NULL, DOB DATE NOT NULL);
15 • SELECT * FROM STUD;
```

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));**

```
CREATE TABLE STUDENT (REGNO INT, MARK INT(3) CONSTRAINT B CHECK (MARK >=0 AND MARK <=100));
```

18 • `SELECT * FROM STUDENT;`

REGNO	MARK
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**In table student add check constraint(length(regno<=4))**

```
ALTER TABLE STUDENT ADD CONSTRAINT B2 CHECK (length(REGNO<=4));
```

DESC student;

	Field	Type	Null	Key	Default	Extra
▶	REGNO	int	YES		NULL	
	MARK	int	YES		NULL	

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

```
CREATE TABLE CUST(CUSTID INT(6) NOT NULL UNIQUE, NAME CHAR(10));
```