

**ADVANCED DATABASE MANAGEMENT SYSTEM LAB****Experiment No.: 3****Aim**

To familiarize ddl commands- alter,drop,truncate,rename

**Question**

**Name: Silvia Thomas**

**Roll No: 38**

**Batch: MCA B**

**Date:08/03/2022**

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));

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

5. Create a table cust with(custid number(6) constraint unique, name char(10) 6. Refer the table “stud” in table “ student”

**Procedure****Create table emp:**

```
CREATE TABLE EMP( EMPNO INT PRIMARY KEY , ENAME
CHAR(10), HIREDATE DATE, SALARY INT, COMMISSION INT);
```

```
INSERT INTO emp values(101,'Ramesh','1980-01-17',5000,0);
```

```
INSERT INTO emp values(102,'Ajay','1985-07-05',5000,500);
```

```
INSERT INTO emp values(103,'Ravi','1981-08-12',1500,0);
```

```
INSERT INTO emp values(104,'Nikesh','1983-03-03',3000,700);
```

```
INSERT INTO emp values(105,'Ravi','1985-07-05',3000,0);
```

Table emp:

```
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

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

	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

```
ALTER TABLE EMP DROP COLUMN 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	700
	105	Ravi	1985-07-05	3000	NULL
*	NULL	NULL	NULL	NULL	NULL

```
ALTER TABLE EMP MODIFY ENAME VARCHAR(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	700
	105	Ravi	1985-07-05	3000	NULL
▲	NULL	NULL	NULL	NULL	NULL

RENAME TABLE 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	700
	105	Ravi	1985-07-05	3000	NULL
*	NULL	NULL	NULL	NULL	NULL

TRUNCATE TABLE EMP1;

	EMPNO	ename	HIREDATE	SALARY	COMMISSION
*	NULL	NULL	NULL	NULL	NULL

DROP TABLE EMP1;

52 11:26:48 DROP TABLE emp1

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

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

	regno	mark
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CREATE TABLE CUST(CUSTID NUMBER(6) UNIQUE, NAME CHAR(10));

	custid	name
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