EXPERIMENT NO. 3

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

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

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

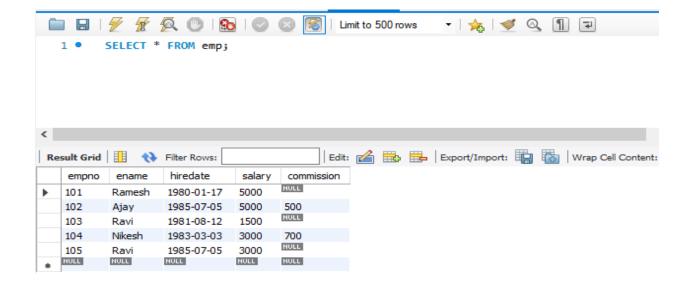INSERT INTO EMP(EMPNO,ENAME,HIREDATE,SALARY)VALUES(101,"RAMESH","1980-01-17",5000);
INSERT INTO EMP(EMPNO,ENAME,HIREDATE,SALARY,COMMISSION)VALUES(102,"AJAY","1985-07-05",5000,500);
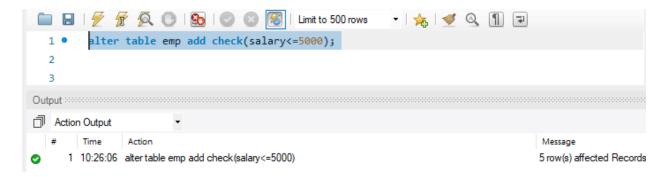INSERT INTO EMP(EMPNO,ENAME,HIREDATE,SALARY)VALUES(103,"RAVI","1981-08-12",1500);
INSERT INTO EMP(EMPNO,ENAME,HIREDATE,SALARY,COMMISSION)VALUES(104,"NIKESH","1983-03-03",3000,700);
INSERT INTO EMP(EMPNO,ENAME,HIREDATE,SALARY)VALUES(105,"RAVI","1985-07-05",3000);

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

2.Add check constraint (Salary >=5000)


```
alter table emp add check(salary<=5000);
```

#	Time	Action	Message
1	10:26:06	alter table emp add check(salary<=5000)	5 row(s) affected Records

3.Add Check Constraint (length(empno<=3))


```
alter table emp add check(length(empno)<=3);
```

#	Time	Action	Message
1	10:27:15	alter table emp add check(length(empno)<=3)	5 row(s) affected Reco

4.Modifying the structure of tables

a.Add new columns: sal number(7,2)

```
1   alter table emp add column sal float(7,2);
2   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

b.Dropping a column from a table: sal

```
1   alter table emp drop column sal ;
2   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

c.Modifying existing column :ename varchar2(15)

```
1   alter table emp modify ename varchar(15) ;
```

Output

Action Output

#	Time	Action	Message
1	10:37:01	alter table emp modify ename varchar(15)	0 row(s) affected Records: 0

d.Renaming the tables: emp to emp1

```
1 •    alter table emp rename to emp1 ;
```

Output

Action Output

#	Time	Action	Message
✓	1 10:39:33	alter table emp rename to emp1	0 row(s) aff

e.truncating the tables:emp1

```
1     truncate table emp1;
```

Output

Action Output

#	Time	Action	Message
✓	1 10:40:21	truncate table emp1	0 row(s) affected

f.Destroying tables:emp

```
1     drop table emp1;
```

Output

Action Output

#	Time	Action	Message
✓	1 10:41:32	drop table emp1	0 row(s) affected