EXPERIMENT NO. 3

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

Questions
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	

ANSWERS

create table Emp(empno int primary key,ename varchar(10),hiredate date,salary int,commission int);
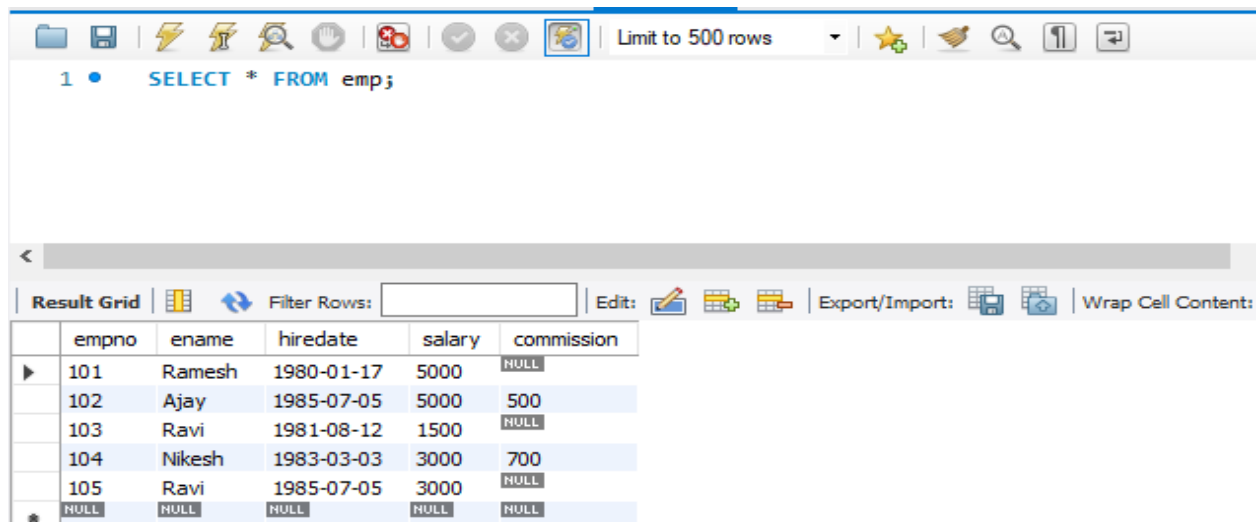insert into emp(empno,ename,hiredate,salary)values(101,"Ramesh","1980-01-17",5000);
insert into emp(empno,ename,hiredate,salary,commission)values(102,"Ajay","1985-07-05",5000,500);
insert into emp(empno,ename,hiredate,salary)values(103,"Ravi","1981-08-12",1500);
insert into emp(empno,ename,hiredate,salary,commission)values(104,"Nikesh","1983-03-03",3000,700);
insert into emp(empno,ename,hiredate,salary)values(105,"Ravi","1985-07-05",3000);

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)

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

Output

Action Output

#	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))

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

Output

Action Output

#	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)

```sql
alter table emp add column sal float(7,2);
SELECT * FROM emp;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Contents

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
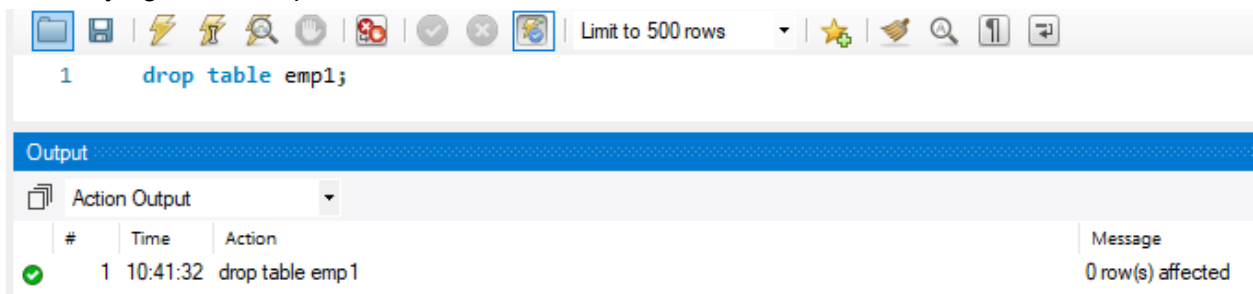
```
1      truncate table emp1;
```

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