

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

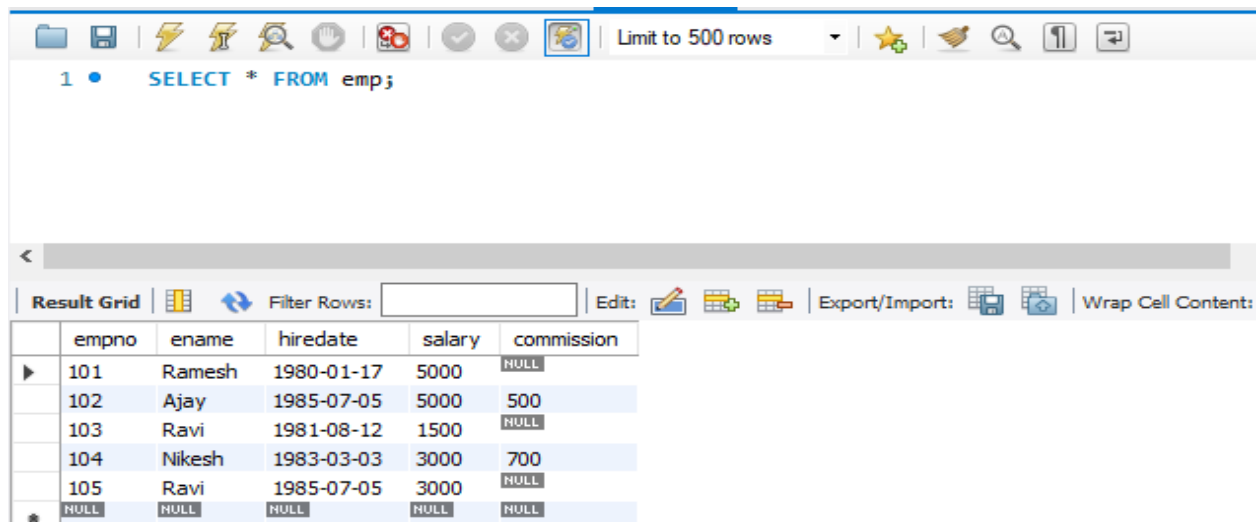
emp(empno,ename,hiredate,salary,commission)values(102,"Ajay","1985-07-05",5000,500);

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);



The screenshot shows a database management tool interface. At the top, there is a toolbar with various icons. Below the toolbar, the SQL query '1 • SELECT * FROM emp;' is entered. The 'Result Grid' tab is selected, displaying the following data:

	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)

The screenshot shows the SQL Developer interface. The SQL Editor contains the command: `alter table emp add check(salary<=5000);`. The Output window shows the Action Output table with the following data:

#	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)

The screenshot shows the SQL Developer interface. The SQL Editor contains the command: `alter table emp add check(length(empno)<=3);`. The Output window shows the Action Output table with the following data:

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

4. Modifying the structure of tables

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

The screenshot shows the SQL Developer interface. The SQL Editor contains two commands:

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

The Result Grid shows the output of the second command. The table has 7 columns: empno, ename, hiredate, salary, commission, and sal. The data is as follows:

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

b. Dropping a column from a table: sal

The screenshot shows the SQL Developer interface. The SQL Editor contains two lines of code:

```
1 • alter table emp drop column sal ;  
2 • SELECT * FROM emp;
```

Below the editor is the 'Result Grid' tab, which displays the following data:

	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)

The screenshot shows the SQL Developer interface. The SQL Editor contains the following command:

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

Below the editor is the 'Output' tab, which displays the following message:

#	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

The screenshot shows the SQL Developer interface. The SQL Editor contains the following command:

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

Below the editor is the 'Output' tab, which displays the following message:

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

e. truncating the tables: emp1

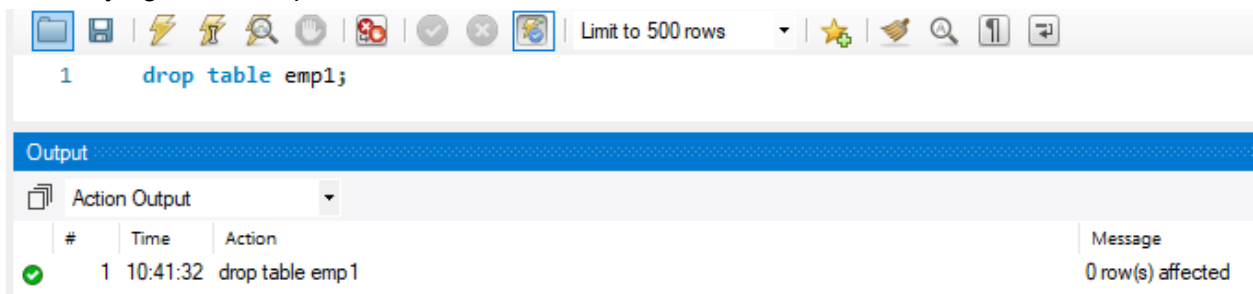
The screenshot shows the SQL Developer interface. The SQL Editor contains the following command:

```
1 truncate table emp1;
```

Below the editor is the 'Output' tab, which displays the following message:

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

f.Destroying tables:emp



The screenshot shows a database management tool interface. At the top, there is a toolbar with various icons. Below the toolbar, a SQL command is entered in a text area: `1 drop table emp1;`. Below the command area, there is a section labeled "Output" with a blue header. Under "Output", there is a dropdown menu labeled "Action Output". Below the dropdown, there is a table with the following data:

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