

Experiment-1:

Creation of Database Tables

Create a table called Employee with fields (Empno, Ename, Job, Mgr, Sal)

- a) Add a column commission with domain to the Employee table
- b) Insert any five records into the table
- c) Update the column details of job
- d) Rename the column of Employee table using alter command.
- e) Delete the employee whose empno is 103

Solution:

```
SQL> create table Employee(Empno number(10),Ename varchar(30),Job varchar(20), Mgr  
varchar(30), Sal number(10));
```

a)

Syntax:

```
ALTER TABLE table_name ADD (column_name datatype);
```

```
alter table Employee add(Commission number(10));
```

b)

Syntax: INSERT INTO table_name VALUES(&column_name1, &column_name2,);

```
SQL> insert into Employee values(&Empno,'&Ename','&Job','&Mgr','&Sal','&Commission);
```

Enter value for empno: 101

Enter value for ename: Ramana

Enter value for job: Asst. Professor

Enter value for mgr: HOD

Enter value for sal: 25000

Enter value for commission: 0

```
old 1: insert into Employee values(&Empno,'&Ename','&Job','&Mgr','&Sal','&Commission)
```

```
new 1: insert into Employee values(101,'Ramana','Asst. Professor','HOD',25000,0)
```

1 row created.

```
SQL> /
```

Enter value for empno: 102

Enter value for ename: Venkat

Enter value for job: Assoc. Professor

Enter value for mgr: HOD

Enter value for sal: 45000

Enter value for commission: 5000

old 1: insert into Employee values(&Empno,&Ename,&Job,&Mgr,&Sal,&Commission)

new 1: insert into Employee values(102,'Venkat','Assoc. Professor','HOD',45000,5000)

1 row created.

SQL> /

Enter value for empno: 103

Enter value for ename: Lakshmi

Enter value for job: Assoc. Professor

Enter value for mgr: HOD

Enter value for sal: 50000

Enter value for commission: 10000

old 1: insert into Employee values(&Empno,&Ename,&Job,&Mgr,&Sal,&Commission)

new 1: insert into Employee values(103,'Lakshmi','Assoc. Professor','HOD',50000,10000)

1 row created.

SQL> /

Enter value for empno: 104

Enter value for ename: Swaroop

Enter value for job: HOD

Enter value for mgr: HOD

Enter value for sal: 100000

Enter value for commission: 20000

old 1: insert into Employee values(&Empno,&Ename,&Job,&Mgr,&Sal,&Commission)

new 1: insert into Employee values(104,'Swaroop','HOD','HOD',100000,20000)

1 row created.

SQL> /

Enter value for empno: 105

Enter value for ename: Gowri

Enter value for job: Asst. Professor

Enter value for mgr: HOD

Enter value for sal: 35000

Enter value for commission: 2000

old 1: insert into Employee values(&Empno,'&Ename','&Job','&Mgr',&Sal,&Commission)

new 1: insert into Employee values(105,'Gowri','Asst. Professor','HOD',35000,2000)

1 row created.

c)

Syntax: UPDATE table_name SET column_name= new_value WHERE column_name=value;

SQL> update Employee set designation='Assoc. Professor' where Empno=101;

d)

Syntax:

ALTER TABLE table_name RENAME COLUMN old_column_name to new_column_name;

alter table Employee rename column Job to Designation;

e)

Syntax:

DELETE FROM table_name WHERE column_name=value;

delete from Employee where empno=103;