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DBMS Lab 1

Q1) Create a table employee with (emp_no, emp_name, emp_address)

```
create table EMPLOYEE (
emp_no number (5),
emp_name varchar(20),
emp_address varchar(30));
```

```
SQL> create table EMPLOYEE (
  2  emp_no number (5),
  3  emp_name varchar(20),
  4  emp_address varchar(30));

Table created.
```

Q2) Insert five employees information.

```
insert into EMPLOYEE values (101, 'Ayush','Manipal');
insert into EMPLOYEE values (102, 'Dipesh','Manipal');
insert into EMPLOYEE values (103, 'Abheesht','Mangalore');
insert into EMPLOYEE values (104, 'Shyamantak','Manipal');
insert into EMPLOYEE values (105, 'Swarnim','Mangalore');
```

```
SQL> insert into EMPLOYEE values (101, 'Ayush','Manipal');
1 row created.
SQL> insert into EMPLOYEE values (102, 'Dipesh','Manipal');
1 row created.
SQL> insert into EMPLOYEE values (103, 'Abheesht','Mangalore');
1 row created.
SQL> insert into EMPLOYEE values (104, 'Shyamantak','Manipal');
1 row created.
SQL> insert into EMPLOYEE values (105, 'Swarnim','Mangalore');
1 row created.
SQL>
```

Q3) Display names of all employees.

Select emp_name from EMPLOYEE;

```
SQL> Select emp_name from EMPLOYEE;

EMP_NAME
--------------------
Ayush
Dipesh
Abheesht
Shyamantak
Swarnim

SQL>
```

Q4) Display all the employees from 'MANIPAL'.

Select emp_name from EMPLOYEE where emp_address='Manipal';

```
SQL> Select emp_name from EMPLOYEE where emp_address='Manipal';

EMP_NAME
--------------------
Ayush
Dipesh
Shyamantak

SQL>
```

Q5) Add a column named salary to employee table.

alter table EMPLOYEE add(Salary float(7));

```
SQL> alter table EMPLOYEE add(Salary float(7));

Table altered.

SQL>
```

Q6) Assign the salaryfor all employees.

Update EMPLOYEE set salary=50000 where emp_no=101;

Update EMPLOYEE set salary=40000 where emp_no=102;

Update EMPLOYEE set salary=6000 where emp_no=103;

Update EMPLOYEE set salary=20000 where emp_no=104;

Update EMPLOYEE set salary=30000 where emp_no=105;

```
SQL> Update EMPLOYEE set salary=50000 where emp_no=101;

1 row updated.

SQL> Update EMPLOYEE set salary=40000 where emp_no=102;

1 row updated.

SQL> Update EMPLOYEE set salary=6000 where emp_no=103;

1 row updated.

SQL> Update EMPLOYEE set salary=20000 where emp_no=104;

1 row updated.

SQL> Update EMPLOYEE set salary=30000 where emp_no=105;

1 row updated.

SQL>
```

To see the updated table:

```
SQL> Select * from EMPLOYEE;

    EMP_NO EMP_NAME             EMP_ADDRESS                      SALARY
---------- -------------------- ------------------------------ ----------
       101 Ayush                Manipal                             50000
       102 Dipesh               Manipal                             40000
       103 Abheesht             Mangalore                            6000
       104 Shyamantak           Manipal                             20000
       105 Swarnim              Mangalore                           30000

SQL>
```

Q7) View the structure of the table employee using describe.

Describe EMPLOYEE;

```
SQL> Describe EMPLOYEE;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------

 EMP_NO                                             NUMBER(5)
 EMP_NAME                                           VARCHAR2(20)
 EMP_ADDRESS                                        VARCHAR2(30)
 SALARY                                             FLOAT(7)

SQL>
```

Q8) Delete all the employees from ‘MANGALORE’

Delete from EMPLOYEE where emp_address='Mangalore';

```
SQL> Delete from EMPLOYEE where emp_address='Mangalore';

2 rows deleted.

SQL>
```

Updates Table after deleting:

```
SQL> Delete from EMPLOYEE where emp_address='Mangalore';

2 rows deleted.

SQL> Select * from EMPLOYEE;

    EMP_NO EMP_NAME             EMP_ADDRESS                      SALARY
---------- -------------------- ------------------------------ ----------
       101 Ayush                Manipal                             50000
       102 Dipesh               Manipal                             40000
       104 Shyamantak           Manipal                             20000

SQL>
```

Q9) Rename employee as employee1.

Rename EMPLOYEE to EMPLOYEE1;

```
SQL> Rename EMPLOYEE to EMPLOYEE1;

Table renamed.

SQL>
```

Q10) Drop the table employee1.

drop table EMPLOYEE1;

```
SQL> drop table EMPLOYEE1;

Table dropped.

SQL> Select * from EMPLOYEE;
Select * from EMPLOYEE
              *
ERROR at line 1:
ORA-00942: table or view does not exist


SQL>
```

THE END