Practical-3

Aim: To perform various data manipulation commands,aggregate functions and sorting concept on all created tables.

Queries:

1. List total deposit from deposit.

```
SQL> select sum(AMOUNT) from deposit;

SUM(AMOUNT)
-----------
      68200
```

2. List total loan from karolbagh branch.

```
SQL> select sum(AMOUNT) from borrow where BNAME='KAROLBAGH';

SUM(AMOUNT)
-----------
```

3. Give maximum loan from branch vrce.

```
SQL> select max(AMOUNT) from borrow where BNAME='VRCE';

MAX(AMOUNT)
-----------
       1000
```

4. Count total number of customers.

```
SQL> SELECT COUNT(CNAME)from customers;

COUNT(CNAME)
------------
          10
```

5. Count total number of customers's cities.

```
SQL> select count(distinct CITY) from customers;

COUNT(DISTINCTCITY)
-------------------
                  7
```

6. Create table supplier from employee with all the columns.

```
SQL> create table supplier as select * from employee;

Table created.
```

7. Create table sup1 from employee with first two columns.

```
SQL> create table sup1 as select emp_no,emp_name from employee;

Table created.
```

8. Create table sup2 from employee with no data.

```
SQL> create table sup2 as select * from employee where emp_no=NULL;

Table created.
```

9. Insert the data into sup2 from employee whose second character should be 'n' and string should be 5 characters long in employee name field.

```
SQL> insert into sup2 select * from employee where emp_name like '_n___';

2 rows created.

SQL> select * from sup2;

    EMP_NO EMP_NAME                         EMP_SAL   EMP_COMM    DEPT_NO
---------- ------------------------------ ---------- ---------- ----------
       105 Anita                                5000      50000         10
       106 Sneha                                2450      24500         10
```

10. Delete all the rows from sup1.

```
SQL> delete sup1;

7 rows deleted.
```

11. Delete the detail of suppliers whose sup_no is 103.

```
SQL> delete supplier where emp_no=103;

1 row deleted.
```

12. Rename the table sup2.

```
SQL> rename sup2 to sup22;

Table renamed.
```

13. Destroy table sup1 with all the data.

```
SQL> drop table sup1;

Table dropped.
```

14. Update the value dept_no to 10 where second character of emp.name is ‘m’.

```
SQL> update supplier set dept_no=10 where emp_name like '_m%';

2 rows updated.

SQL> select * from supplier;

    EMP_NO EMP_NAME                       EMP_SAL   EMP_COMM    DEPT_NO
---------- ------------------------------ ---------- ---------- ----------
       101 Smith                             800                    10
       102 Snehal                           1600        300         25
       104 Aman                             3000                    10
       105 Anita                            5000      50000         10
       106 Sneha                            2450      24500         10
       107 Anamika                          2975                    30

6 rows selected.
```

15. Update the value of employee name whose employee number is 103.

```
SQL> update employee set EMP_NAME='jay' where EMP_NO=103;

1 row updated.

SQL> select * from employee;

    EMP_NO EMP_NAME                       EMP_SAL   EMP_COMM    DEPT_NO
---------- ------------------------------ ---------- ---------- ----------
       101 Smith                             800                    20
       102 Snehal                           1600        300         25
       103 jay                              1100          0         20
       104 Aman                             3000                    15
       105 Anita                            5000      50000         10
       106 Sneha                            2450      24500         10
       107 Anamika                          2975                    30

7 rows selected.
```