Lab Assignment- 02

Objective: Find out the names of all the clients from client_mast table.

Solution:

select name from client_mast;

Output:

```
SQL> select Name from client_mast;

NAME
--------------------
Procurez
BMW
Takenote
Teoco
ASAP

SQL>
```

Objective: Retrieve all the records from client_mast table.

Solution:

Select * from client_mast;

Output:

```
SQL> select * from client_mast;

CLIENT NAME                ADDRESS                   CITY
------ -------------------- ------------------------- --------------------
   PINCODE STATE              BAL_DUE
---------- --------------- ----------
B001   Procurez            12, Sunbay Street         Gainesville
      1233 Florida              3500

B002   BMW                 6, Rocky Creek            Jacksonville
      1234 Florida              3488

B003   Takenote            7, Hudson Bay             Puria
      6454 Illinois             4555


CLIENT NAME                ADDRESS                   CITY
------ -------------------- ------------------------- --------------------
   PINCODE STATE              BAL_DUE
---------- --------------- ----------
B004   Teoco               1243, Princiton Circle    Fairfax
      3433 Virginia             4433

B005   ASAP                23, North City            Puria
      4354 Illinois             3600


SQL>
```

Retrieve the list of names, address and city of all the clients from client_mast.

Solution:

Select name, address, city from client_mast;

Output:

```
SQL> select name, address, city from client_mast;

NAME                 ADDRESS                  CITY
-------------------- ------------------------ --------------------
Procurez             12, Sunbay Street        Gainesville
BMW                  6, Rocky Creek           Jacksonville
Takenote             7, Hudson Bay            Puria
Teoco                1243, Princiton Circle   Fairfax
ASAP                 23, North City           Puria

SQL>
```

Objective: List all the clients who are staying in Florida from client_mast

Solution:

Select name from client_mast where state = ‘Florida’;

Output:

```
SQL> select name from client_mast where state = 'Florida';

NAME
--------------------
Procurez
BMW

SQL>
```

List the names of the employee who have a salary less than Rs 3000 from employee table.

Solution:

select ename from employee where basic_sal < 3000;

Output:

```
SQL> select EName from employee where basic_sal < 3000;

ENAME
--------------------
Arnold
Kelly

SQL>
```

Objective: List the employee name, job and department no, of everyone whose name fall in the alphabetical range ‘C’ to ‘L’ from employee table.

Solution:

Select ename, job, dept_no from employee where ename between ’C%’ and ‘L%’;

Output:

```
SQL> select EName, job, dept_No from employee where ename between 'C%' and 'L%';

ENAME                JOB        DEPT
-------------------- ---------- ----
Kim                  Manager    D001
Holyfield            Tester     D002
Kelly                Admin      D003

SQL>
```

List all the employees whose name starts with the letter ‘K’ from employee table.

Solution:

select ename from employee where ename like ‘K%’;

Output:

```
SQL> select ename from employee where ename like 'K%';

ENAME
--------------------
Kim
Kelly

SQL>
```

Objective: List the department name which is Located in Noida and Rocky creek from Dept table.

Solution:

Select dname from dept where loc = ‘Rocky Creek’ or loc = ‘Noida’;

Output:

```
SQL> select Dname from dept where loc = 'Rocky Creek' or loc = 'Noida';

DNAME
--------------------
Development
R & D
Production

SQL>
```

List the employee name working in department D002, D003 from employee table.

Solution:

Select ename from employee where dept_no = ‘D002’ or dept_no = ‘D003’;

Output:

```
SQL> select Ename from employee where dept_no = 'D002' or dept_no = 'D003';

ENAME
--------------------
Bruce
Holyfield
Kelly

SQL>
```

Objective: List all employee whose name start with ‘A’ and end with ‘D’ from employee table.

Solution:

Select ename from employee where ename like ‘A%’ and ename like ‘%d’; **Output:**

```
SQL> select EName from employee where ename like 'A%' and ename like '%d';

ENAME
--------------------
Arnold

SQL>
```

List all managers and salesman with salary over 2500 from employee table.

Solution:

select ename from employee where basic_sal > 2500 and (job = ‘Manager’ or

job= ‘Salesman’);

Output:

```
SQL> select Ename from employee where basic_sal > 2500 and (job ='Manager' or job = 'Salesman');

ENAME
--------------------
Kim

SQL>
```

Objective: Display all the employee names in the ascending order of their date of joining from employee table.

Solution:

select ename from employee order by hiredate;

Output:

```
SQL> select EName from employee order by hiredate;

ENAME
--------------------
Kelly
Bruce
Arnold
Holyfield
Kim

SQL>
```

Display all the employees in alphabetical order from employee table.

Solution:

select ename from employee order by ename;

Output:

```
SQL> select EName from employee order by EName;

ENAME
--------------------
Arnold
Bruce
Holyfield
Kelly
Kim

SQL>
```

Objective: List all employee who were hired during 1999 from employee table.

Solution:

select ename from employee where hiredate like ‘%-%-99’;

Output:

```
SQL> select EName from employee where hiredate like '%-%-99';

ENAME
--------------------
Bruce
Kelly

SQL>
```

List all the employees whose commission is more than Rs. 300 from employee table.

Solution:

select ename from employee where comm > 300;

Output:

```
SQL> select Ename from employee where comm > 300;

ENAME
--------------------
Kim
Bruce

SQL>
```

Lab Assignment- 03

Objective: Change the city of client_no 'B001' from 'Gainesville' to 'Paul Street' from client_mast table.

Solution:

Update client_mast set city = 'Paul Street' where client_no = 'B001';

Output:

```
SQL> update Client_Mast set city = 'Paul Street' where client_no = 'B001';

1 row updated.

SQL>
```

Objective: Change the bal_due of client_no B005 to Rs. 2000 from client_mast table.

Solution:

Update Client_mast set bal_due = 2000 where client_no = 'B005';

Output:

```
SQL> update Client_Mast set Bal_due = 2000 where client_no = 'B005';

1 row updated.

SQL>
```

Change the name to 'infospace' of client_no B004 in the table client_mast table.

Solution:

Update Client_Mast set name = ‘Infospace’ where clietnt_no = ‘B004’;

Output:

```
SQL> update Client_Mast set name = 'Infospace' where client_no = 'B004';

1 row updated.

SQL>
```

Objective: Change the client_no ‘B004’ to ‘B009’ in the table client_mast.

Solution:

Update client_mast set client_no = ‘B009’ where client_no = ‘B004’;

Output:

```
SQL> update Client_Mast set client_no = 'B009' where client_no = 'B004';

1 row updated.

SQL>
```

Change the city of salesman from ‘Jacksonville’ to ‘Huston’ from salesman_mast table.

Solution:

Update Salesman_mast set city = ‘Huston’ where cirty = ‘Jacksonville’;

Output:

```
SQL> update Salesman_Mast set city = 'Huston' where city = 'Jacksonville';

1 row updated.

SQL>
```

Objective: Change the basic salary Rs 3000 where basic salary less than 2500 from employee table.

Solution:

Update employee set Basic_sal = 3000 where Basic_sal <2500;

Output:

```
SQL> update employee set Basic_sal = 3000 where Basic_sal <2500;

1 row updated.

SQL>
```

Change the basic_sal = 3000 where job in clerk from employee table.

Solution:

Update employee set Basic_sal = 3000 where job = ‘Clerk’;

Output:

```
SQL> update employee set Basic_sal = 3000 where job ='Clerk';

1 row updated.

SQL>
```

Objective: Change the basic salary of Employee Number E004 to Rs. 3500 from employee table.

Solution:

Update employee set basic_sal = 35000 where empNo = 'E004';

Output:

```
SQL> update employee set Basic_sal = 3500 where empno ='E004';

1 row updated.

SQL>
```

Change the Department name to 'Sales' from dept table where Deptno is 'D004'.

Solution:

Update dept set dname = 'Sales' where deptno = 'D004';

Output:

```
SQL> update dept set dname = 'Sales' where deptno ='D004';

1 row updated.

SQL>
```

Objective: Change the description of product number 'PR065' to AC in the product_mast table.

Solution:

Update product_mast set description = 'AC' where product_no = 'PR065'; **Output:**

```
SQL> update Product_mast set Description = 'AC' where product_no = 'PR065';

1 row updated.

SQL>
```

Change the Profit percernt of Product Number 'PR065' to 25% in the Product_mast table.

Solution:

Update product_mast set profit_perc = 25 where product_no = 'PR065';

Output:

```
SQL> update Product_mast set profit_perc = 25 where product_no = 'PR065';

1 row updated.

SQL>
```

Objective: Change the available quantity of Product Number 'PR065' to 120 in the Product_Mast table.

Solution:

Update product_mast set qty_available = 120 where product_no = ‘PR065’;

Output:

```
SQL> update Product_mast set qty_available = 120 where product_no = 'PR065';

1 row updated.

SQL>
```

Change the cost price and selling price of Prodecu Number ‘PR065’ to 5000 and 6250 in the Product_mast table.

Solution:

Update product_mast set cost_price = 5000, sell price = 6250 where product_no = ‘PR065’;

Output:

```
SQL> update Product_mast set cost_price=5000, sell_price = 6250 where product_no = 'PR065';

1 row updated.

SQL>
```

Objective: Change the units where Product Number ‘PR065’ to ‘pack of 10’ in the Product_mast table.

Solution:

Update Product_mast set units = ‘Pack of 10’ where product_no = ‘PR065’;

Output:

```
SQL> update Product_mast set units = 'Pack of 10' where product_no = 'PR065';

1 row updated.

SQL>
```

Create a sequence named counter which is incremented by 1 and

starts with 1.

Solution:

create sequence counter start with 1 increment by 1;

Output:

```
SQL> create sequence counter start with 1 increment by 1;

Sequence created.

SQL>
```

Objective: Create a sequence named counter which is incremented by 5 and starts with 25.

Solution:

Create sequence counter start with 25 increment by 5;

Output:

```
SQL> create sequence counter start with 25 increment by 5;

Sequence created.

SQL>
```