

SQL LAB PRACTICE – 1

CREATING THE GIVEN TABLES:

The screenshot shows the Oracle Live SQL interface. The left sidebar contains navigation links: Home, SQL Worksheet, My Session, Schema, Quick SQL, My Scripts (selected), My Tutorials, and Code Library. The main area displays a table named CLIENTS with the following data:

CLIENT_NO	NAME	CITY	PINCODE	BAL_DUE
C0001	SEETHA JAIN	MUMBAI	400044	15000
C0002	WANDANA RAO	Chennai	760001	0
C0003	PREM PUNJ	MUMBAI	400017	5000
C0004	SADU RATH	MUMBAI	400044	0
C0005	ANU SHANKAR	DELHI	110001	2000
C0006	MOON	MUMBAI	400044	0

Below the table, it indicates "8 rows selected". The SQL statement entered in the editor is:

```
SELECT * FROM CLIENTS;
```

The screenshot shows the Oracle Live SQL interface. The left sidebar is the same as the previous screenshot. The main area displays a table named ORDERS with the following data:

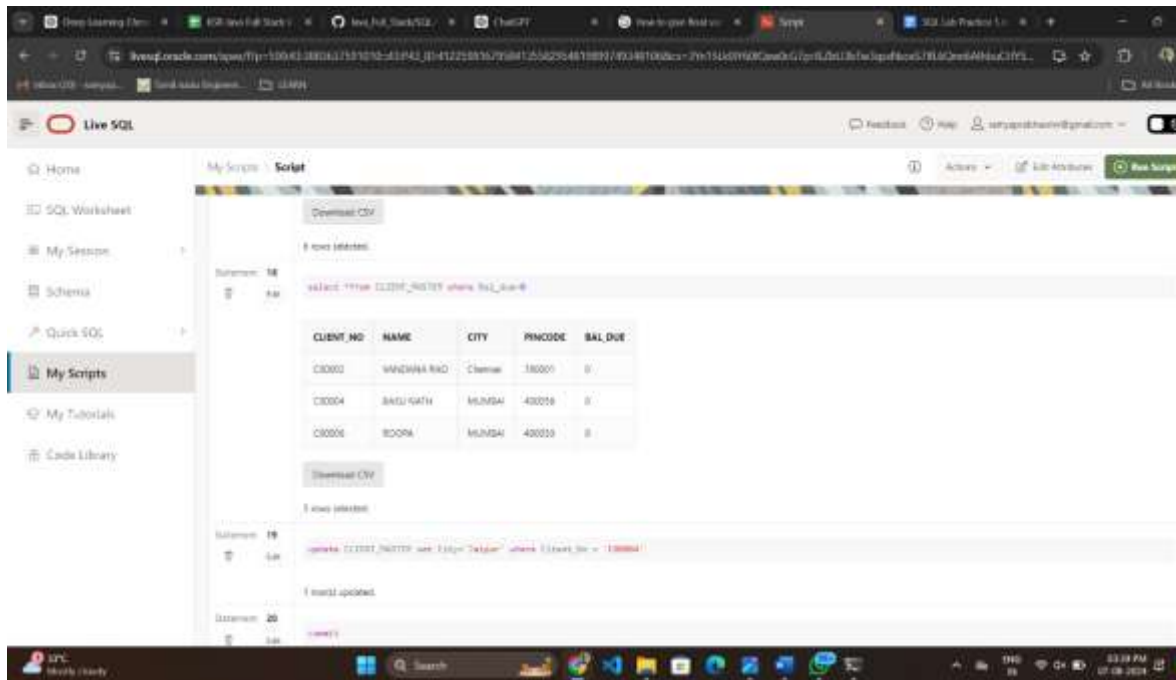
ORDER_NO	ORDER_DATE	CLIENT_NO	SALESMAN_NO	DELY_DATE	ORDER STATUS
019001	12-JAN-13	C0001	S00001	20-JAN-13	In process
019002	26-JAN-13	C0002	S00002	07-MAR-13	Cancelled
046885	18-FEB-13	C0003	S00003	20-FEB-13	Fulfilled
019003	03-APR-13	C0001	S00004	07-APR-13	Fulfilled
046886	26-MAY-13	C0004	S00002	07-APR-13	Cancelled
019006	24-MAY-13	C0005	S00004	20-MAY-13	In process

Below the table, it indicates "6 rows selected". The SQL statement entered in the editor is:

```
SELECT * FROM ORDERS;
```

Write SQL commands for the following:

- 1 List all details from the client_master table for clients whose Bal_due = 0.

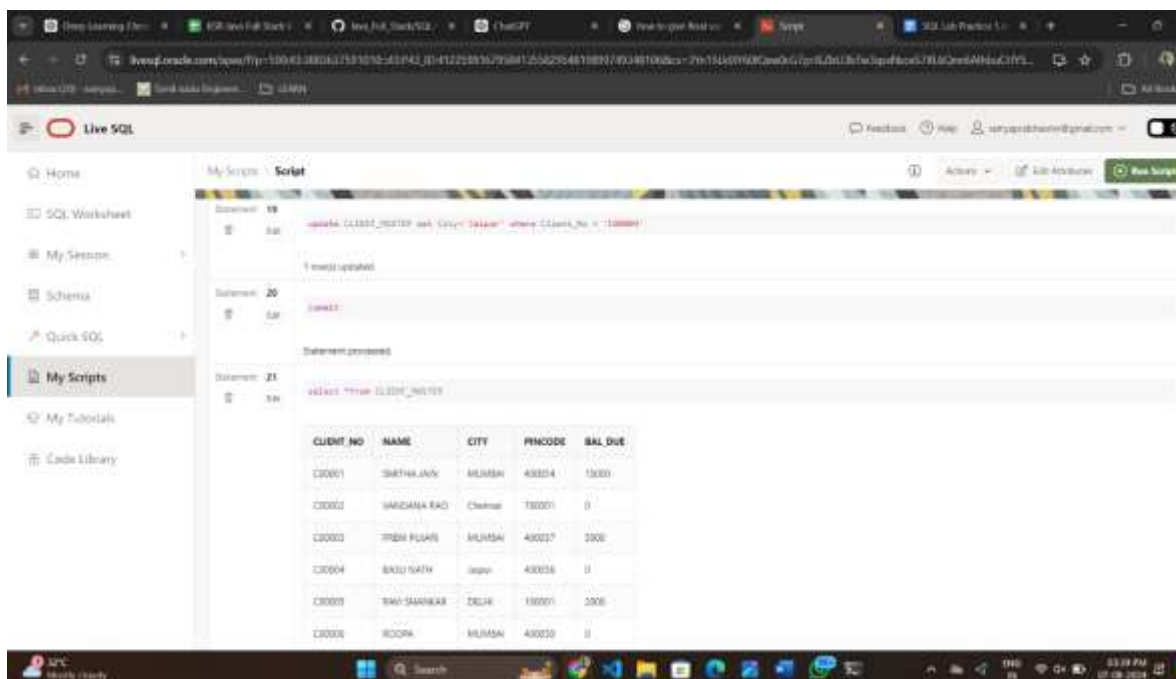


The screenshot shows the Live SQL interface with the following query and results:

```
select * from client_master where Bal_due=0
```

CLIENT_NO	NAME	CITY	PCODE	BAL DUE
C0002	WANDANA KAD	Chennai	780001	0
C0004	BAKU RATH	MUMBAI	400008	0
C0006	BOORA	MUMBAI	400008	0

- 2 Update table client_master, Change city of Client_no C00004 to Jaipur.



The screenshot shows the Live SQL interface with the following queries and results:

```
update client_master set City='Jaipur' where Client_No = 'C00004'
```

1 row(s) updated

```
select *
```

Statement processed

CLIENT_NO	NAME	CITY	PCODE	BAL DUE
C0001	SHRITHA JAY	MUMBAI	400004	1000
C0002	WANDANA KAD	Chennai	780001	0
C0003	PRITHI PUSAR	MUMBAI	400017	000
C0004	BAKU RATH	Jaipur	400008	0
C0005	SAVI SHANKAR	DELHI	110001	2000
C0006	BOORA	MUMBAI	400008	0

3 Retrieve records of clients residing in Mumbai.

The screenshot shows the Live SQL interface with a query executed. The query is: `SELECT * FROM client_master where CITY='MUMBAI';`. The results are displayed in a table with columns: CLIENT_ID, NAME, CITY, PINCODE, BALANCE.

CLIENT_ID	NAME	CITY	PINCODE	BALANCE
C0001	SMITHA JAIN	MUMBAI	400054	10000
C0003	PRERNA PUNJ	MUMBAI	400011	1000
C0004	ROOJA	MUMBAI	400010	0

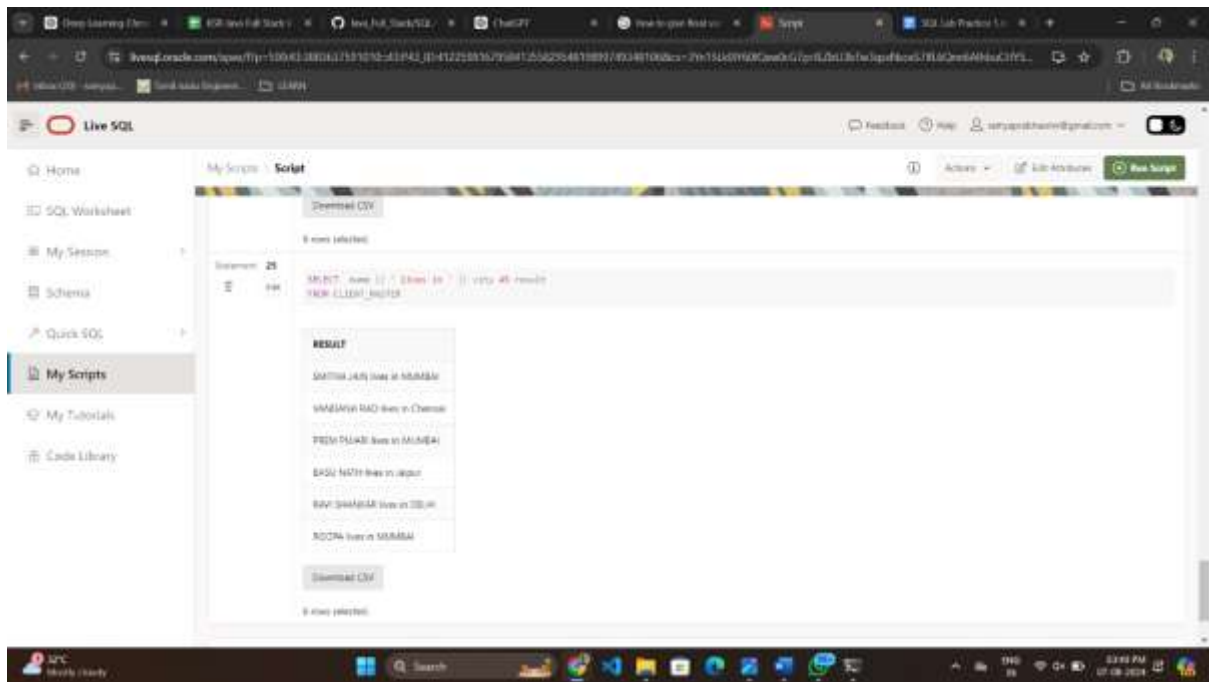
Below the table, there is a section for the next statement. The query is: `SELECT name, CITY, name || ' lives in ' || CITY AS Result FROM client_master;`. The results are displayed in a table with columns: NAME, CITY, RESULT.

NAME	CITY	RESULT
SMITHA JAIN	MUMBAI	SMITHA JAIN lives in MUMBAI
PRERNA PUNJ	MUMBAI	PRERNA PUNJ lives in MUMBAI
ROOJA	MUMBAI	ROOJA lives in MUMBAI

5 Construct English like sentence from the table client_master ({Customer name} live in the city of {city}).

The screenshot shows the Live SQL interface with a query executed. The query is: `SELECT name, CITY, name || ' lives in ' || CITY AS Result FROM client_master;`. The results are displayed in a table with columns: NAME, CITY, RESULT.

NAME	CITY	RESULT
SMITHA JAIN	MUMBAI	SMITHA JAIN lives in MUMBAI
PRERNA PUNJ	MUMBAI	PRERNA PUNJ lives in MUMBAI
ROOJA	MUMBAI	ROOJA lives in MUMBAI



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