

DBMS ASSIGNMENT DAY – 1

CREATE AND INSERT :

```
CREATE TABLE CLIENT_MASTER (  
  Client_No varchar(20) PRIMARY KEY,  
  Name VARCHAR(100) NOT NULL,  
  City VARCHAR(100),  
  Pincode number(10),  
  Bal_due number(10)  
);  
INSERT INTO CLIENT_MASTER VALUES ('C00001', 'SMITHA JAIN', 'Mumbai', 400054, 15000);  
INSERT INTO CLIENT_MASTER VALUES ('C00002', 'VANDANA RAO', 'Chennai', 780001, 0);  
INSERT INTO CLIENT_MASTER VALUES ('C00003', 'PREM PUJARI', 'Mumbai', 400057, 5000);  
INSERT INTO CLIENT_MASTER VALUES ('C00004', 'BASU NATH', 'Mumbai', 400056, 0);  
INSERT INTO CLIENT_MASTER VALUES ('C00005', 'RAVI SHANKAR', 'Delhi', 100001, 2000);  
INSERT INTO CLIENT_MASTER VALUES ('C00006', 'ROOPA', 'Mumbai', 400050, 0);  
  
select * from CLIENT_MASTER;
```

Results Explain Describe Saved SQL History

CLIENT_NO	NAMES	CITY	PINCODE	BAL_DUE
C00001	SMITHA JAIN	Mumbai	400054	15000
C00004	BASU NATH	Mumbai	400056	0
C00005	RAVI SHANKAR	Delhi	100001	2000
C00002	VANDANA RAO	Chennai	780001	0
C00003	PREM PUJARI	Mumbai	400057	5000
C00006	ROOPA	Mumbai	400050	0

6 rows returned in 0.00 seconds [Download](#)

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

```
SELECT *FROM CLIENT_MASTER WHERE BAL_DUE=0;
```

Results	Explain	Describe	Saved SQL	History
CLIENT_NO	NAMES	CITY	PINCODE	BAL_DUE
C00004	BASU NATH	Mumbai	400056	0
C00002	VANDANA RAO	Chennai	780001	0
C00006	ROOPA	Mumbai	400050	0

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

```
UPDATE CLIENT_MASTER SET CITY='JAIPUR' WHERE CLIENT_NO='C00004';
```

Results	Explain	Describe	Saved SQL	History
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1 row(s) updated.

```
SELECT *FROM CLIENT_MASTER;
```

Results Explain Describe Saved SQL History

CLIENT_NO	NAMES	CITY	PINCODE	BAL_DUE
C00001	SMITHA JAIN	Mumbai	400054	15000
C00004	BASU NATH	JAIPUR	400056	0
C00005	RAVI SHANKAR	Delhi	100001	2000
C00002	VANDANA RAO	Chennai	780001	0
C00003	PREM PUJARI	Mumbai	400057	5000
C00006	ROOPA	Mumbai	400050	0

6 rows returned in 0.00 seconds

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3. Retrieve records of clients residing in Mumbai.

```
SELECT *FROM CLIENT_MASTER WHERE CITY='Mumbai';
```

Results Explain Describe Saved SQL History

CLIENT_NO	NAMES	CITY	PINCODE	BAL_DUE
C00001	SMITHA JAIN	Mumbai	400054	15000
C00003	PREM PUJARI	Mumbai	400057	5000
C00006	ROOPA	Mumbai	400050	0

3 rows returned in 0.01 seconds

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4. Find the name and address of customer who has placed Order_no 'O19003' and 'O19002' respectively.

```
SELECT cm.Name, cm.City, cm.Pincode FROM CLIENT_MASTER cm JOIN SALE_ORDER so ON cm.Client_No = so.Client_No WHERE so.Order_No = 'O19003'
UNION ALL
SELECT cm.Name, cm.City, cm.Pincode FROM CLIENT_MASTER cm JOIN SALE_ORDER so ON cm.Client_No = so.Client_No WHERE so.Order_No = 'O19002';
```

Results Explain Describe Saved SQL History

NAME	CITY	PINCODE
SMITHA JAIN	Mumbai	400054
VANDANA RAO	Chennai	780001

2 rows returned in 0.02 seconds [Download](#)

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

```
SELECT Name || ' lives in the city of ' || City AS Sentence FROM CLIENT_MASTER;
```

Results Explain Describe Saved SQL History

SENTENCE
PREM PUJARI lives in the city of Mumbai
BASU NATH lives in the city of Jaipur
SMITHA JAIN lives in the city of Mumbai
RAVI SHANKAR lives in the city of Delhi
ROOPA lives in the city of Mumbai
VANDANA RAO lives in the city of Chennai

6 rows returned in 0.04 seconds [Download](#)

6. List the client_no, name, city and pincode of clients whose Order_status is "In process".

```
SELECT cm.Client_No, cm.Name, cm.City, cm.Pincode FROM CLIENT_MASTER cm JOIN SALE_ORDER so ON cm.Client_No = so.Client_No WHERE so.Order_Status = 'In process';
```

Results Explain Describe Saved SQL History

CLIENT_NO	NAME	CITY	PINCODE
C00005	RAVI SHANKAR	Delhi	100001
C00001	SMITHA JAIN	Mumbai	400054

2 rows returned in 0.11 seconds [Download](#)