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**SQL Assignment – 1**

**Create the following tables:**

**Table 1 (Client master):**

create table CLIENT\_MASTER (client\_No varchar(10), Name varchar(20), City varchar(20), 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);

**Table 2 (Sale order):**

create table SALE\_ORDER (Order\_No varchar(10),Order\_Date Date, Client\_No varchar(20), Salesman\_No varchar(10), Dely\_Date Date, Order\_Status varchar(20));

desc SALE\_ORDER;

insert into SALE\_ORDER values ('O19001', TO\_DATE('2013-01-12', 'YYYY-MM-DD'), 'C00001', 'S00001', TO\_DATE('2013-01-20', 'YYYY-MM-DD'), 'In process');

insert into SALE\_ORDER values ('O19002', TO\_DATE('2013-01-25', 'YYYY-MM-DD'), 'C00002', 'S00002', TO\_DATE('2013-01-27', 'YYYY-MM-DD'), 'Cancelled');

insert into SALE\_ORDER values ('O46865', TO\_DATE('2013-02-18', 'YYYY-MM-DD'), 'C00003', 'S00003', TO\_DATE('2013-01-20', 'YYYY-MM-DD'), 'Fulfilled');

insert into SALE\_ORDER values ('O19003', TO\_DATE('2013-04-03', 'YYYY-MM-DD'), 'C00001', 'S00001', TO\_DATE('2013-01-07', 'YYYY-MM-DD'), 'Fulfilled');

insert into SALE\_ORDER values ('O46866', TO\_DATE('2013-05-20', 'YYYY-MM-DD'), 'C00004', 'S00002', TO\_DATE('2013-01-07', 'YYYY-MM-DD'), 'Cancelled');

insert into SALE\_ORDER values ('O19008', TO\_DATE('2013-05-24', 'YYYY-MM-DD'), 'C00005', 'S00004', TO\_DATE('2013-01-26', 'YYYY-MM-DD'), 'In process');

**Write SQL commands for the following:**

**1. List all details from the client\_master table for clients whose Bal\_due = 0.**

select \* from (select \* from CLIENT\_MASTER where Bal\_due = 0);

**2. Update table client\_master, Change city of Client\_no C00004 to Jaipur.**

update CLIENT\_MASTER set City = 'Jaipur' where client\_No = 'C00004';

**3. Retrieve records of clients residing in Mumbai.**

select \* from CLIENT\_MASTER where City = 'Mumbai';

1. **Find the name and address of customer who has placed Order\_no 'O19003' and 'O19002' respectively.**

select c.name, c.city from CLIENT\_MASTER c join SALE\_ORDER s on c.client\_no = s.client\_no where(s.order\_no in ('O19003','O19002'));

**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 English\_Like\_Sentence from CLIENT\_MASTER;

**6.List the client\_no, name, city and pincode of clients whose Order\_status is "In process".**

select c.client\_no, c.name, c.city, c.pincode from CLIENT\_MASTER c join SALE\_ORDER s on c.client\_no = s.client\_no where(s.order\_status = 'In process');