**Name : Suvetha V**

**Reg No: 73772114218**

**Email :** [**suvethavelusamy697@gmail.com**](mailto:suvethavelusamy697@gmail.com)

**ASSIGNMENT-1**

**Table-1 Creation:**

create table tbl\_CLIENT\_MASTER(Client\_No varchar2(6),Name varchar2(20),City varchar2(20),Pincode number(6),Bal\_due number);

1. insert into tbl\_CLIENT\_MASTER values('C00001','SMITHA JAIN','Mumbai',400054,15000);
2. insert into tbl\_CLIENT\_MASTER values('C00002','VANDANA RAO','Chennai',780001,0);
3. insert into tbl\_CLIENT\_MASTER values('C00003','PREM PUJARI','Mumbai',400057,5000);
4. insert into tbl\_CLIENT\_MASTER values('C00004','BASU NATH','Mumbai',400056,0);
5. insert into tbl\_CLIENT\_MASTER values('C00005','RAVI SHANKAR','Delhi',100001,2000);
6. insert into tbl\_CLIENT\_MASTER values('C00006','ROOPA','Mumbai',400050,0);

select \*from tbl\_CLIENT\_MASTER;

select \*from tbl\_CLIENT\_MASTER order by Client\_No;

**Table-2 Creation:**

create table tbl\_SALE\_ORDER(Order\_No varchar2(6),Order\_Date date,Client\_No varchar2(6),Salesman\_No varchar2(6),Dely\_Date date,Order\_Status varchar(20));

1. insert into tbl\_SALE\_ORDER values('O19001','12-Jan-13','C00001','S00001','20-Jan-13','In process');
2. insert into tbl\_SALE\_ORDER values('O19002','25-Jan-13','C00002','S00002','27-Jan-13','Cancelled');
3. insert into tbl\_SALE\_ORDER values('O46865','18-Feb-13','C00003','S00003','20-Feb-13','Fulfilled');
4. insert into tbl\_SALE\_ORDER values('O19003','03-Apr-13','C00001','S00001','07-Apr-13','Fulfilled');
5. insert into tbl\_SALE\_ORDER values('O46866','20-May-13','C00004','S00002','07-Apr-13','Cancelled');
6. insert into tbl\_SALE\_ORDER values('O19008','24-May-13','C00005','S00004','26-May-13','In process');

select \*from tbl\_SALE\_ORDER;

select \*from tbl\_SALE\_ORDER order by Order\_Date;

**Write SQL commands for the following:**

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

select \* from tbl\_CLIENT\_MASTER where Bal\_due=0;

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

update tbl\_CLIENT\_MASTER set City='Jaipur'where Client\_No='C00004';

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

select \* from tbl\_CLIENT\_MASTER where City='Mumbai';

|  |  |
| --- | --- |
| **4.** | **Find the name and address of customer who has placed Order\_no 'O19003' and 'O19002' respectively.** |

SELECT tbl\_CLIENT\_MASTER.name, tbl\_CLIENT\_MASTER.City FROM tbl\_CLIENT\_MASTER JOIN tbl\_SALE\_ORDER ON tbl\_CLIENT\_MASTER.client\_no = tbl\_SALE\_ORDER.client\_no WHERE tbl\_SALE\_ORDER.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 || '.' FROM tbl\_CLIENT\_MASTER;

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

SELECT tbl\_CLIENT\_MASTER.name, tbl\_CLIENT\_MASTER. City, tbl\_CLIENT\_MASTER . pincode FROM tbl\_CLIENT\_MASTER JOIN tbl\_SALE\_ORDER ON tbl\_CLIENT \_MASTER . client\_no = tbl\_SALE\_ORDER.client\_no WHERE tbl\_SALE\_ORDER.Order\_Status = 'In process';