$\underline{ASSIGNMENT-8}$

Create the Following Tables:

1. PRODUCT

Column Name	DataType(Size)	Description
product_id	Varchar2(10)	Primary Key
product_name	Varchar2(20)	
manufacturer_name	Varchar2(20)	
product_rate	Number(9,4)	
sell_price	Number(9,4)	
product_description	Varchar2(25)	

2. CLIENT

Column Name	DataType(Size)	Description
client_id	Varchar2(10)	Primary Key
client_name	Varchar2(20)	
addresss	Varchar2(20)	
city	Varchar2(15)	
pin	Number(6)	
state	Varchar2(15)	
bal_due	Number(9,4)	

3. SALESMAN

Column Name	DataType(Size)	Description
salesman_id	Varchar2(10)	Primary Key
salesman_name	Varchar2(20)	
addresss	Varchar2(20)	
city	Varchar2(15)	
pin	Number(6)	
state	Varchar2(15)	
salary	Number(9,4)	

4. SALES_ORDER

Column Name	DataType(Size)	Description
sales_order_no	Varchar2(10)	Primary Key
sales_order_date	Date	
client_id	Varchar2(10)	Foreign Key
salesman_id	Varchar2(10)	Foreign Key
bill_payby_party	Varchar2(15)	
delivery_date	Date	
product_rate	Number(9,4)	
tot_quantity_order	Number(8)	
cancel_date	Date	Default NULL

Insert the following records into the above tables:

1. PRODUCT

```
Insert into product values('p001','lux_soap','Lux_international','15.67','20.43','soap');
Insert into product values('p002','copy','times_copy_org','14.80','16.40','copy');
Insert into product values('p003','marry_biscuit','marigold_org','2218.80','2220.40','buiskit');
Insert into product values('p004','mitsubisi_pen','pen_international','2015.67','2120.43','pen');
Insert into product values('p005','learn_books','book_world','5104.80','5116.40','book');
Insert into product values('p006','tata_steel','tata_org','5118.80','5120.40','tata');
Insert into product values('p007','seagate hdd','seaget_world','5104.80','5116.40','HDD1034');
Insert into product values('p008','dvd writer','frontec_org','5118.80','5120.40',' DVDRW');
```

2. CLIENT

```
Insert into client values('cn01001','alak roy',' b.d.para','amarpur','799101','tripura','390.9');
Insert into client values('cn01002','suman roy',' puk para','agartala','799102','tripura','2390.9');
Insert into client values('cn01004','priya das',' chora para','kamalpur','799301','tripura','1390.9');
Insert into client values('cn01005','mita mia',' kamal para','singur','799721','tripura','190.9');
Insert into client values('cn01006','pulak roy',' bircity','sonitpur','799141','assam','110.9');
Insert into client values('cn01007','munni das',' nappam','sonitpur','799152','assam','190.9');
Insert into client values('cn01008','kusum roy',' city_dos','tezpur','799141','assam','110.9');
Insert into client values('cn01009','mina das',' pachmile','tezpur','799152','assam','190.9');
Insert into client values('cn01003','moytree nayak',' pachmile','tezpur','799152','assam','2990.9');
Insert into client values('cn01010','pauri mia',' pachmile','tezpur','799152','assam','2990.9');
Insert into client values('cn01011','manali das',' satmile','tezpur','799154','assam','3990.9');
```

05BC1204 - DBMS - 1 * ASSIGNMENT - 8 *

3. SALESMAN

Insert into salesman values('s001','Rohan das','nappam','Tezpur','79970','Assam','8000');
Insert into salesman values('s002','Rohan das','nappam','Tezpur','799170','Assam','8000');
Insert into salesman values('s003','Smita das','nirjuli','itanagar','799701','Arunachal','9000');
Insert into salesman values('s004','Kabir bora','nappam','Tezpur','799703','Assam','8500');
Insert into salesman values('s005','Neha singh','borbota ','sonitpur','795970','assam','9600');
Insert into salesman values('s006','Priya agarwal','gandhi road ','32 distric','799750','delhi','990');
Insert into salesman values('s007','Ashok Paul','filmcity','munnabari ','799740','mumbai','8900');

4. SALES ORDER

Insert into sales_order_details values('on01001','01-aug-2008','cn01001','s001','yes','20-aug-2008', '2220.40','50','');

Insert into sales_order_details values('on01002','12-aug-2008','cn01004','s001', 'yes','23-aug-2008', '2220.40','15'.'');

Insert into sales_order_details values('on01003','12-aug-2008','cn01005','s003', 'yes','26-aug-2008', '2220.40','10','');

Insert into sales_order_details values('on01004','13-aug-2008','cn01004','s001', 'yes','20-aug-2008', '2220.40','15','');

Insert into sales_order_details values('on01005','14-aug-2008','cn01002','s002', 'no','30-aug-2008', '2220.40','52', '28-march-2008');

Insert into sales_order_details values('on01006','15-aug-2008','cn01001','s001', 'yes','31-aug-2008', '2220.40','53','');

Insert into sales_order_details values('on01007','16-jan-2008','cn01003','s004', 'yes','28-aug-2008', '2220.40','54','');

Insert into sales_order_details values('on01008','01-feb-2008','cn01004','s003', 'no','28-aug-2008', '8220.40','54', '18-march-2008');

Perform the following Queries on the above tables:

- (a) Retrieve the list of names and the cities of all the clients.
- (b) List the various products available.
- (c) Find the names of all clients having 'a' as the second letter in their names.
- (d) List all the clients who are located in TEZPUR.
- (e) Find the products whose selling price is greater than 2000 and less than or equal to 5000
- (f) Add a new column NEW_PRICE into the product_master table.
- (g) Rename the column product_rate of Sales_Order_Details to new_product_rate.
- (h) List the products in sorted order of their description.
- (i) Display the order number and date on which the clients placed their order.
- (j) Delete all the records having delivery date before 25th August, 2008.
- (k) Change the delivery date of order number ON01008 to 16-08-08
- (l) Change the bal_due of client_no CN01003 to 1200
- (m) Find the product with description as 'HDD1034' and 'DVDRW'
- (n) List the names, city and state of the clients not in the state of 'ASSAM'
- (o) List of all orders that were cancelled in the Month of March.