

## #A. 2 MARKS

Instructions. Connect to my database using already provided wallet.

User name: neudemo

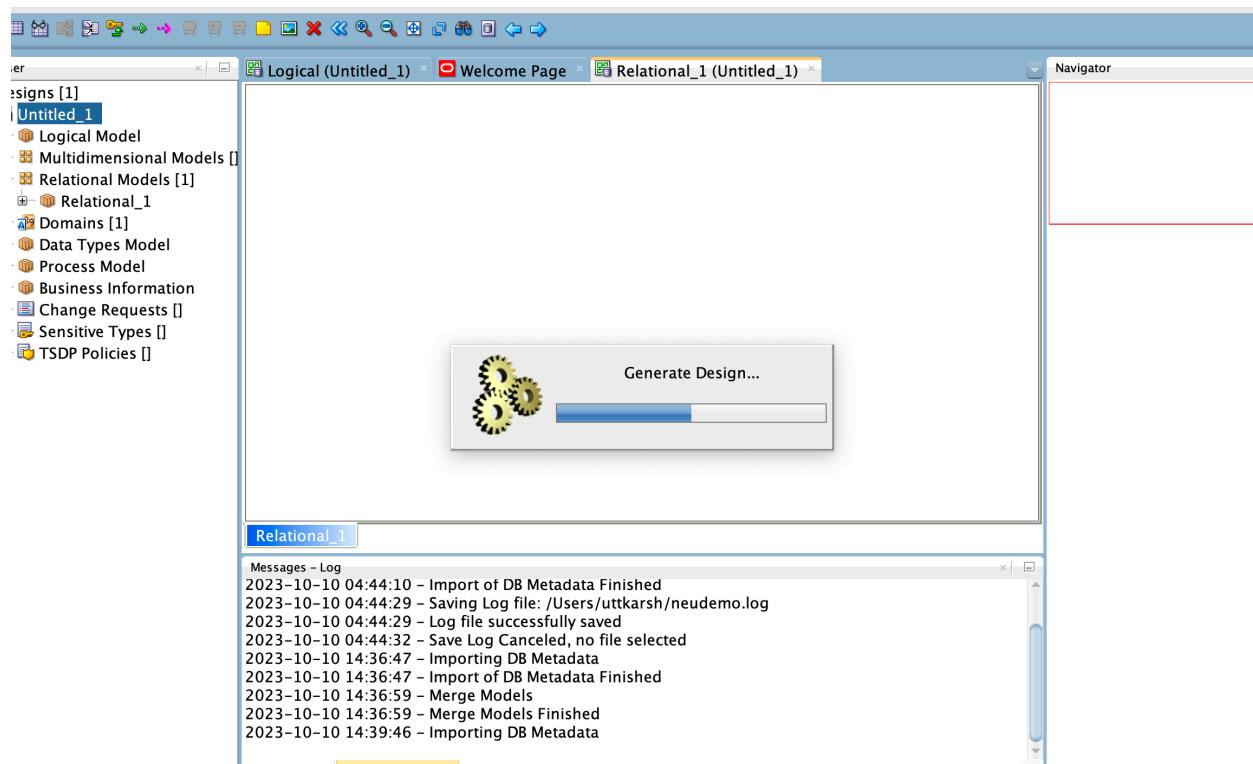
password: MoreSqlByPractice123#

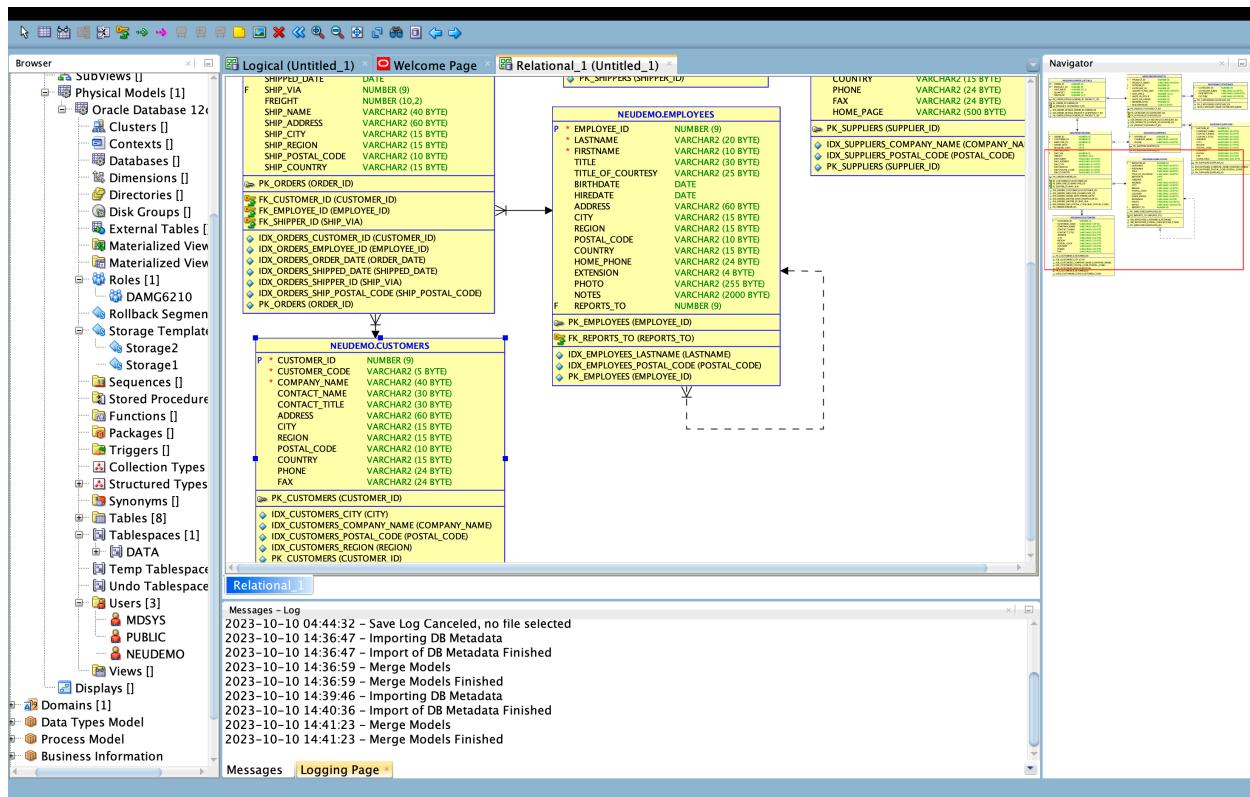
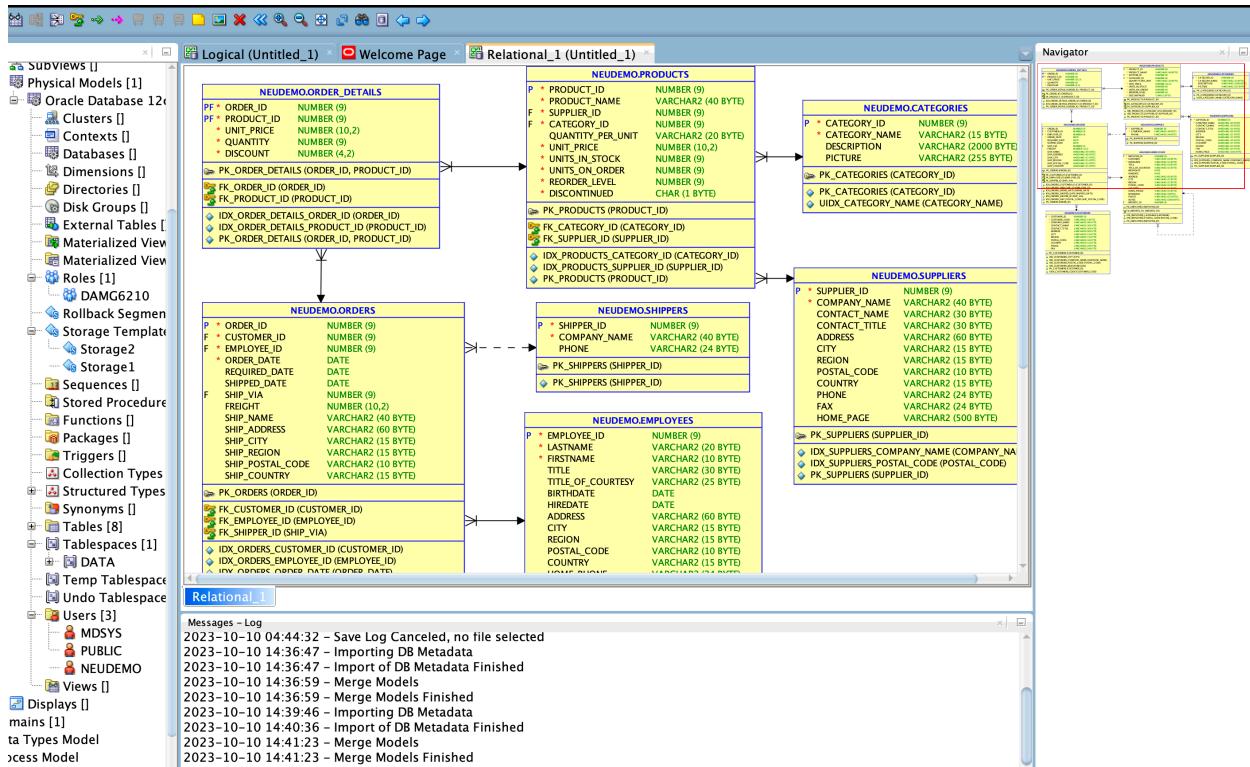
Wallet file: [click here to download](#)

Download [click here to download](#)

Note: If the download link doesn't work then go to MISC folder and download the wallet file named **Wallet\_fall2023thu.zip**

To view the list of tables, use this SQL. Using oracle SQL DATA MODELER, create data model for the tables and relationships under this account. Explain the data model and attach the data model to your submission.





## Explanation for data model:

The data model consists of several related tables, each representing a specific entity in the database. Here's an overview of the main tables and their relationships:

- Categories: This table stores information about product categories. It includes columns for category\_id, category\_name, description, and picture. The category\_id serves as the primary key.
- Customers: This table contains data related to customers. It includes columns like customer\_id, customer\_code, company\_name, and various contact information. The customer\_id is the primary key.
- Employees: This table represents information about employees. It includes details like employee\_id, lastname, firstname, contact information, and supervisor information. The employee\_id is the primary key, and there is a self-referencing foreign key (reports\_to) to establish supervisor-subordinate relationships.
- Order Details: This table is used to store details of products in orders. It includes information such as order\_id, product\_id, unit\_price, quantity, and discount. The primary key is a composite key consisting of order\_id and product\_id. There are also check constraints to ensure valid data.
- Orders: This table stores data about customer orders. It includes columns like order\_id, customer\_id, employee\_id, and various date-related fields. The order\_id is the primary key, and there are foreign key constraints to link to customers and employees.
- Products: This table contains information about products. It includes data like product\_id, product\_name, supplier\_id, category\_id, and pricing details. The product\_id serves as the primary key, and there are foreign keys to suppliers and categories.
- Shippers: This table stores information about shipping companies. It includes shipper\_id, company\_name, and contact information. The shipper\_id is the primary key.
- Suppliers: This table represents data about product suppliers. It includes information such as supplier\_id, company\_name, contact details, and a home page link. The supplier\_id is the primary key.

```
1 -- Generated by Oracle SQL Developer Data Modeler 23.1.0.087.0806
2 at: 2023-10-10 14:41:05 EDT
3 site: Oracle Database 12cR2
4 type: Oracle Database 12cR2
5
6
7
8 CREATE TABLE neudemo.categories (
9   category_id NUMBER(9) NOT NULL,
10  category_name VARCHAR2(15 BYTE) NOT NULL,
11  description VARCHAR2(2000 BYTE),
12  picture VARCHAR2(255 BYTE)
13 )
14
15 PCTFREE 10 PCTUSED 40 INITTRANS 10 TABLESPACE data LOGGING
16   STORAGE ( INITIAL 65536 NEXT 1048576 PCTINCREASE 0 MINEXTENTS 1 MAXEXTENTS 2147483645 FREELISTS 1 FREELIST GROUPS 1 BUFFER_POOL DEFAULT
17 )
18 NO INMEMORY;
19
20 COMMENT ON COLUMN neudemo.categories.category_id IS
21  'Number automatically assigned to a new category.';
22
23 COMMENT ON COLUMN neudemo.categories.category_name IS
24  'Name of food category.';

25 COMMENT ON COLUMN neudemo.categories.picture IS
26  'A picture representing the food category.';

27
28 CREATE UNIQUE INDEX neudemo.pk_categories ON
29 neudemo.categories (
30   category_id
31   ASC )
32   TABLESPACE data PCTFREE 10 INITTRANS 20
33   STORAGE ( INITIAL 65536 NEXT 1048576 PCTINCREASE 0 MINEXTENTS 1 MAXEXTENTS 2147483645 FREELISTS 1 FREELIST GROUPS 1 BUFFER_POOL
34   DEFAULT )
35   LOGGING;
36
37
38 CREATE UNIQUE INDEX neudemo.uidx_category_name ON
39 neudemo.categories (
40   category_name
41   ASC )
42   TABLESPACE data PCTFREE 10 INITTRANS 20
43   STORAGE ( INITIAL 65536 NEXT 1048576 PCTINCREASE 0 MINEXTENTS 1 MAXEXTENTS 2147483645 FREELISTS 1 FREELIST GROUPS 1 BUFFER_POOL
44   DEFAULT )
45   LOGGING;
46
47 ALTER TABLE neudemo.categories
48 ADD CONSTRAINT pk_categories PRIMARY KEY ( category_id )
49 USING INDEX neudemo.pk_categories;
50
51 GRANT SELECT ON neudemo.categories TO damg6210;
52
53 CREATE TABLE neudemo.customers (
54   customer_id NUMBER(9) NOT NULL,
55   customer_code VARCHAR2(5 BYTE) NOT NULL,
56   company_name VARCHAR2(40 BYTE) NOT NULL,
57   contact_name VARCHAR2(30 BYTE),
58   contact_title VARCHAR2(30 BYTE),
59   address VARCHAR2(60 BYTE),
60   city VARCHAR2(15 BYTE),
61   state_province VARCHAR2(30 BYTE),
62   zip_postal_code VARCHAR2(20 BYTE),
63   phone_number VARCHAR2(20 BYTE),
64   fax_number VARCHAR2(20 BYTE),
65   email_address VARCHAR2(100 BYTE),
66   website_url VARCHAR2(100 BYTE),
67   created_by NUMBER(9),
68   created_date DATE,
69   last_modified_by NUMBER(9),
70   last_modified_date DATE
71 )
72
73
74
75
76
77
78
79
```

## DDL SCRIPT

```
select * from user_tables;
```

```
Select * from employees;
```

```
Select * from order_details;
```

```
Select * from orders;
```

```
select * from suppliers;
```

```
SELECT * FROM products;
```

```
select * from customers;
```

```
SELECT COUNT(*) AS Num
```

SELECT COUNT(\*)

```
SELECT COUNT(*) AS NumberOfShippers  
FROM SHIPPERS;
```

```
SELECT FIRSTNAME, LASTNAME, HIREDATE  
FROM EMPLOYEES  
WHERE Title = 'Sales Representative'  
AND Country = 'USA';
```

```
SELECT o.Order_ID  
FROM ORDERS o  
JOIN EMPLOYEES e ON o.Employee_ID = e.Employee_ID  
WHERE e.FirstName = 'Steven' AND e.LastName = 'Buchanan';
```

```
SELECT Supplier_ID, Contact_Name, Contact_Title  
FROM SUPPLIERS  
WHERE Contact_Title <> 'Marketing Manager';
```

```
SELECT Product_ID, Product_Name  
FROM PRODUCTS  
WHERE Product_Name LIKE '%Queso%';
```

```
SELECT Order_ID, Customer_ID, Ship_Country  
FROM ORDERS  
WHERE Ship_Country IN ('France', 'Belgium', 'Brazil', 'Mexico', 'Argentina', 'Venezuela');
```

```
SELECT FirstName, LastName, Title, BirthDate  
FROM Employees  
ORDER BY BirthDate;
```

```
SELECT FirstName, LastName, Title, TRUNC(BirthDate) AS BirthDate  
FROM Employees  
ORDER BY TRUNC(BirthDate) ASC;
```

```
SELECT COUNT(*) AS TotalCustomers  
FROM CUSTOMERS;
```

```
SELECT p.Product_ID, p.Product_Name, s.Company_Name AS SupplierName  
FROM PRODUCTS p  
JOIN SUPPLIERS s ON p.Supplier_ID = s.Supplier_ID  
ORDER BY p.Product_ID;
```

```
SELECT c.Category_Name, COUNT(p.Product_ID) AS TotalProducts  
FROM CATEGORIES c  
LEFT JOIN PRODUCTS p ON c.Category_ID = p.Category_ID  
GROUP BY c.Category_Name  
ORDER BY c.Category_Name;
```

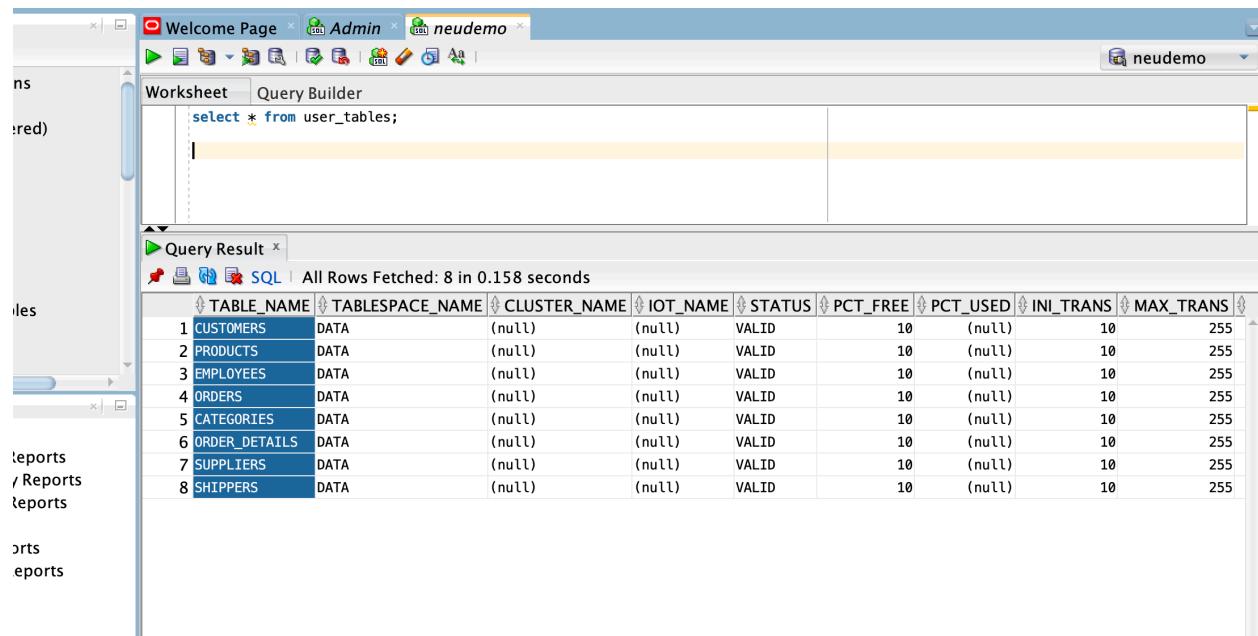
```
SELECT Country, City, COUNT(Customer_ID) AS TotalCustomers  
FROM CUSTOMERS  
GROUP BY Country, City  
ORDER BY Country, City;
```

```
SELECT e.Employee_ID, e.LastName, od.Order_ID, p.Product_Name, od.Quantity  
FROM Employees e  
JOIN Orders o ON e.Employee_ID = o.Employee_ID  
JOIN Order_Details od ON o.Order_ID = od.Order_ID  
JOIN Products p ON od.Product_ID = p.Product_ID  
ORDER BY od.Order_ID, p.Product_ID;
```

```
SELECT c.Customer_ID, c.contact_Name  
FROM CUSTOMERS c  
LEFT JOIN ORDERS o ON c.Customer_ID = o.Customer_ID
```

WHERE o.Order\_ID IS NULL

```
select * from user_tables
```



The screenshot shows the Oracle SQL Developer interface. In the top navigation bar, there are tabs for 'Welcome Page', 'Admin', and 'neudemo'. The main area has two tabs: 'Worksheet' and 'Query Builder'. The 'Worksheet' tab is active, displaying the SQL query: 'select \* from user\_tables;'. Below the query is a large, empty text area. To the right of the query is a 'Query Result' tab. The status bar at the bottom of the tab indicates 'All Rows Fetched: 8 in 0.158 seconds'. The result table has the following data:

	TABLE_NAME	TABLESPACE_NAME	CLUSTER_NAME	IOT_NAME	STATUS	PCT_FREE	PCT_USED	INI_TRANS	MAX_TRANS
1	CUSTOMERS	DATA	(null)	(null)	VALID	10	(null)	10	255
2	PRODUCTS	DATA	(null)	(null)	VALID	10	(null)	10	255
3	EMPLOYEES	DATA	(null)	(null)	VALID	10	(null)	10	255
4	ORDERS	DATA	(null)	(null)	VALID	10	(null)	10	255
5	CATEGORIES	DATA	(null)	(null)	VALID	10	(null)	10	255
6	ORDER_DETAILS	DATA	(null)	(null)	VALID	10	(null)	10	255
7	SUPPLIERS	DATA	(null)	(null)	VALID	10	(null)	10	255
8	SHIPPERS	DATA	(null)	(null)	VALID	10	(null)	10	255

#B. Answer below questions using the tables available in this user account schema. (7M each)

1) How many shippers are available

The screenshot shows the Oracle SQL Developer interface. In the top navigation bar, there are tabs for 'Welcome Page', 'Admin', and 'neudemo'. Below the tabs, there are icons for file operations like New, Open, Save, and Print, along with other tools like Find, Replace, and Help.

The main area has two tabs: 'Worksheet' and 'Query Builder'. The 'Worksheet' tab is active, displaying the following SQL code:

```
select * from user_tables;  
SELECT COUNT(*) AS NumberOfShippers  
FROM SHIPPERS;
```

Below the worksheet, the 'Query Result' tab is open, showing the output of the query:

NUMBEROFSHIPPERS
1
3

The status bar at the bottom of the interface indicates 'All Rows Fetched: 1 in 0.123 seconds'.

2) Display FirstName, LastName, and HireDate of all the employees with the Title of Sales Representative in USA

The screenshot shows the Oracle SQL Developer interface. In the top navigation bar, there are tabs for 'Welcome Page', 'Admin', and 'neudemo'. Below the tabs is a toolbar with various icons. On the left, there's a sidebar with sections like 'Connections', 'nWorks', 'memo', and 'Schema Service Connect'. The main area has two tabs: 'Worksheet' and 'Query Builder'. The 'Worksheet' tab is active, displaying the following SQL code:

```
select * from user_tables;  
  
SELECT COUNT(*) AS NumberOfShippers  
FROM SHIPPERS;  
  
Select * from employees;  
  
SELECT FIRSTNAME, LASTNAME, HIREDATE  
FROM EMPLOYEES  
WHERE Title = 'Sales Representative'  
AND Country = 'USA';
```

Below the code, the 'Query Result' tab is open, showing the results of the last query. The results are as follows:

	FIRSTNAME	LASTNAME	HIREDATE
1	Nancy	Davolio	01-MAY-92
2	Janet	Leverling	01-APR-92
3	Margaret	Peacock	03-MAY-93

3) Show all the orders placed by employee Steven Buchanan

The screenshot shows the Oracle SQL Developer interface. The top navigation bar includes tabs for 'Welcome Page', 'Admin', and 'neudemo'. The left sidebar lists database connections: 'ons', 'Admin', 'teamWorks', 'hn', 'neudemo', 'tk', and 'base Schema Service Connec...'. Below this, a list of reports is shown: 'Reports', 'Analytic View Reports', 'Data Dictionary Reports', 'Data Modeler Reports', 'AP Reports', 'mesTen Reports', and 'User Defined Reports'. The main workspace is divided into two panes. The top pane, titled 'Worksheet', contains the following SQL query:

```
SELECT o.Order_ID
FROM ORDERS o
JOIN EMPLOYEES e ON o.Employee_ID = e.Employee_ID
WHERE e.FirstName = 'Steven' AND e.LastName = 'Buchanan';
```

The bottom pane, titled 'Query Result', displays the results of the executed query:

ORDER_ID
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
10812
10823
10841
10851
10320
10333
10358
10359
10372
10675
10711
10714
10378
10397
10721

A status message at the bottom of the results pane indicates: 'All Rows Fetched: 42 in 0.108 seconds'.

4) show the SupplierID, ContactName, and ContactTitle for those Suppliers whose ContactTitle is not Marketing Manager

The screenshot shows the SSMS interface with the following details:

- Connections:** A sidebar on the left lists various database connections.
- Worksheet:** The main pane displays a T-SQL query:

```
SELECT Supplier_ID, Contact_Name, Contact_Title
FROM SUPPLIERS
WHERE Contact_Title <> 'Marketing Manager';
```
- Query Result:** Below the query, the results are shown in a grid:

SUPPLIER_ID	CONTACT_NAME	CONTACT_TITLE
1	Charlotte Cooper	Purchasing Manager
2	Shelley Burke	Order Administrator
3	Regina Murphy	Sales Representative
4	Antonio del Valle Saavedra	Export Administrator
5	Mayumi Ohno	Marketing Representative
6	Peter Wilson	Sales Representative
7	Lars Peterson	Sales Agent
8	Petra Winkler	Sales Manager
9	Martin Bein	International Marketing Mgr.
10	Sven Petersen	Coordinator Foreign Markets
11	Elio Rossi	Sales Representative
12	Cheryl Saylor	Regional Account Rep.
13	Michael Bj?rn	Sales Representative
14	Guyl?ne Nodier	Sales Manager
15	Robb Merchant	Wholesale Account Agent

- Status Bar:** The bottom right corner shows "Line 20 Column 1".

5) Display ProductID and ProductName for those products where the ProductName includes the string 'queso'.

The screenshot shows a database management interface with the following details:

- Connections:** Welcome Page, Admin, neu демо
- Worksheet:** Query Builder
- Query 1:**

```
SELECT Supplier_ID, Contact_Name, Contact_Title  
FROM SUPPLIERS  
WHERE Contact_Title <> 'Marketing Manager';
```
- Query 2:**

```
SELECT Product_ID, Product_Name  
FROM PRODUCTS  
WHERE Product_Name LIKE '%Queso%';
```
- Query Result:** All Rows Fetched: 2 in 0.101 seconds
- Table Data:**

PRODUCT_ID	PRODUCT_NAME
1	11 Queso Cabrales
2	12 Queso Manchego La Pastora

The screenshot shows a database management interface with the following details:

- Connections:** Welcome Page, Admin, neu демо
- Worksheet:** Query Builder
- Query 1:**

```
SELECT Supplier_ID, Contact_Name, Contact_Title  
FROM SUPPLIERS  
WHERE Contact_Title <> 'Marketing Manager';
```
- Query 2:**

```
SELECT Product_ID, Product_Name  
FROM PRODUCTS  
WHERE Product_Name LIKE '%Queso%';
```
- Query Result:** All Rows Fetched: 2 in 0.101 seconds
- Table Data:**

PRODUCT_ID	PRODUCT_NAME
1	11 Queso Cabrales
2	12 Queso Manchego La Pastora

6) List all OrderID, CustomerID, and ShipCountry for the orders shipped to France, Belgium and Latin American country

**Hint:** Brazil Mexico Argentina Venezuela are latin american countries

The screenshot shows the Oracle SQL Developer interface. In the top-left pane, there's a sidebar with various connection and report-related options. The main workspace has two tabs: 'Worksheet' and 'Query Builder'. The 'Worksheet' tab contains the following SQL query:

```
SELECT Order_ID, Customer_ID, Ship_Country
FROM ORDERS
WHERE Ship_Country IN ('France', 'Belgium', 'Brazil', 'Mexico', 'Argentina', 'Venezuela');
```

Below the query, the status bar indicates: 'Fetched 250 rows in 0.277 seconds'. The bottom pane displays the results in a grid format:

	ORDER_ID	CUSTOMER_ID	SHIP_COUNTRY
1	10803	88	Brazil
2	10806	84	France
3	10809	88	Brazil
4	10811	47	Venezuela
5	10813	67	Brazil
6	10814	84	France
7	10819	12	Argentina
8	10823	46	Venezuela
9	10826	7	France
10	10827	9	France
11	10828	64	Argentina
12	10830	81	Brazil
13	10832	41	France
14	10834	81	Brazil

7) Display all the employees in the Employees table, show the FirstName, LastName, Title, and BirthDate. Order the results by BirthDate, so we have the oldest employees first.

The screenshot shows the Oracle SQL Developer interface. On the left, there's a sidebar with 'Connections' and 'Reports'. Under 'Connections', 'neudemo' is selected. Under 'Reports', 'All Reports' is selected. The main area has tabs for 'Worksheet' and 'Query Builder'. In the 'Worksheet' tab, a query is run:

```
SELECT FirstName, LastName, Title, BirthDate
FROM Employees
ORDER BY BirthDate;
```

The results are displayed in a table:

FIRSTNAME	LASTNAME	TITLE	BIRTHDATE
1 Andrew	Fuller	Vice President, Sales	19-FEB-52
2 Steven	Buchanan	Sales Manager	04-MAR-55
3 Laura	Callahan	Inside Sales Coordinator	09-JAN-58
4 Margaret	Peacock	Sales Representative	19-SEP-58
5 Robert	King	Sales Representative	29-MAY-60
6 Michael	Suyama	Sales Representative	02-JUL-63
7 Janet	Leverling	Sales Representative	30-AUG-63
8 Nancy	Davolio	Sales Representative	08-DEC-68
9 Anne	Dodsworth	Sales Representative	02-JUL-69

At the bottom, it says 'All Rows Fetched: 9 in 0.115 seconds'.

8) Display all the employees in the Employees table, show the FirstName, LastName, Title, and BirthDate. Order the results by BirthDate, so we have the Employees in order of BirthDate.

**Note:** You should ignore time during sorting

This screenshot is similar to the first one, but the query in the Worksheet tab includes the `TRUNC` function to ignore the time part of the birthdate:

```
SELECT FirstName, LastName, Title, TRUNC(BirthDate) AS BirthDate
FROM Employees
ORDER BY TRUNC(BirthDate) ASC;
```

The results table is identical to the one above:

FIRSTNAME	LASTNAME	TITLE	BIRTHDATE
1 Andrew	Fuller	Vice President, Sales	19-FEB-52
2 Steven	Buchanan	Sales Manager	04-MAR-55
3 Laura	Callahan	Inside Sales Coordinator	09-JAN-58
4 Margaret	Peacock	Sales Representative	19-SEP-58
5 Robert	King	Sales Representative	29-MAY-60
6 Michael	Suyama	Sales Representative	02-JUL-63
7 Janet	Leverling	Sales Representative	30-AUG-63
8 Nancy	Davolio	Sales Representative	08-DEC-68
9 Anne	Dodsworth	Sales Representative	02-JUL-69

At the bottom, it says 'All Rows Fetched: 9 in 0.109 seconds'.

9)How many customers are there?

The screenshot shows the Oracle SQL Developer interface. On the left, the Connections sidebar lists several Oracle connections: Admin, DreamWorks, John, neudemo, and uttk. Below it, the Reports sidebar lists All Reports, Analytic View Reports, Data Dictionary Reports, Data Modeler Reports, OLAP Reports, and TimesTen Reports. The main workspace is titled 'Worksheet' and contains the following SQL query:

```
SELECT COUNT(*) AS TotalCustomers  
FROM CUSTOMERS;
```

Below the worksheet, the 'Query Result' tab is active, showing the output:

TOTALCUSTOMERS
1 91

The status bar at the bottom indicates "All Rows Fetched: 1 in 0.085 seconds".

10)Display for each product, the associated Supplier.

Show the ProductID, ProductName, and the CompanyName of the Supplier.  
Finally Sort data by ProductID.

Welcome Page Admin neudemo

Worksheet Query Builder

```
SELECT p.Product_ID, p.Product_Name, s.Company_Name AS SupplierName
FROM PRODUCTS p
JOIN SUPPLIERS s ON p.Supplier_ID = s.Supplier_ID
ORDER BY p.Product_ID;
```

Query Result x | Query Result 1 x | Query Result 2 x | Query Result 3 x

Fetched 50 rows in 0.15 seconds

PRODUCT_ID	PRODUCT_NAME	SUPPLIERNAME
1	Chai	Exotic Liquids
2	Chang	Exotic Liquids
3	Aniseed Syrup	Exotic Liquids
4	Chef Anton's Cajun Seasoning	New Orleans Cajun Delights
5	Chef Anton's Gumbo Mix	New Orleans Cajun Delights
6	Grandma's Boysenberry Spread	Grandma Kelly's Homestead
7	Uncle Bob's Organic Dried Pears	Grandma Kelly's Homestead
8	Northwoods Cranberry Sauce	Grandma Kelly's Homestead
9	Mishi Kobe Niku	Tokyo Traders
10	Ikura	Tokyo Traders
11	Queso Cabrales	Cooperativa de Quesos 'Las Cabras'
12	Queso Manchego La Pastora	Cooperativa de Quesos 'Las Cabras'
13	Konbu	Mayumi's
14	Tofu	Mayumi's
15	Genen Shouyu	Mayumi's

## 11) Show total products in each category

Welcome Page Admin neudemo

Worksheet Query Builder

```
SELECT c.Category_Name, COUNT(p.Product_ID) AS TotalProducts
FROM CATEGORIES c
LEFT JOIN PRODUCTS p ON c.Category_ID = p.Category_ID
GROUP BY c.Category_Name
ORDER BY c.Category_Name;
```

Query Result x | Query Result 1 x | Query Result 2 x | Query Result 3 x

All Rows Fetched: 8 in 0.119 seconds

CATEGORY_NAME	TOTALPRODUCTS
Beverages	12
Condiments	12
Confections	13
Dairy Products	10
Grains/Cereals	7
Meat/Poultry	6
Produce	5
Seafood	12

12)Display total number of customers per Country and City.

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays connections to 'Admin', 'DreamWorks', 'John', 'neudemo' (selected), and 'uttk'. The central workspace shows a worksheet with the following SQL query:

```
SELECT Country, City, COUNT(Customer_ID) AS TotalCustomers
FROM CUSTOMERS
GROUP BY Country, City
ORDER BY Country, City;
```

The results are displayed in a table titled 'Query Result' with the following data:

COUNTRY	CITY	TOTALCUSTOMERS
1 Argentina	Buenos Aires	3
2 Austria	Graz	1
3 Austria	Salzburg	1
4 Belgium	Bruxelles	1
5 Belgium	Charleroi	1
6 Brazil	Campinas	1
7 Brazil	Resende	1
8 Brazil	Rio de Janeiro	3
9 Brazil	S?o Paulo	4
10 Canada	Montr?al	1
11 Canada	Tsawassen	1
12 Canada	Vancouver	1
13 Denmark	?rhus	1
14 Denmark	K?benhavn	1
15 Finland	Helsinki	1

13)Display Employee ID, lastname, order id, product name, quantity for all orders sorted by OrderID and Product ID.

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays connections to 'Admin', 'DreamWorks', 'John', 'neudemo' (selected), and 'uttk'. The central workspace shows a worksheet with the following SQL query:

```
SELECT e.Employee_ID, e.LastName, od.Order_ID, p.Product_Name, od.Quantity
FROM Employees e
JOIN Orders o ON e.Employee_ID = o.Employee_ID
JOIN Order_Details od ON o.Order_ID = od.Order_ID
JOIN Products p ON od.Product_ID = p.Product_ID
ORDER BY od.Order_ID, p.Product_ID;
```

The results are displayed in a table titled 'Query Result' with the following data:

EMPLOYEE_ID	LASTNAME	ORDER_ID	PRODUCT_NAME	QUANTITY
1	5 Buchanan	10248	Queso Cabrales	12
2	5 Buchanan	10248	Singaporean Hokkien Fried Mee	10
3	5 Buchanan	10248	Mozzarella di Giovanni	5
4	6 Suyama	10249	Tofu	9
5	6 Suyama	10249	Manjimup Dried Apples	40
6	4 Peacock	10250	Jack's New England Clam Chowder	10
7	4 Peacock	10250	Manjimup Dried Apples	35
8	4 Peacock	10250	Louisiana Fiery Hot Pepper Sauce	15
9	3 Leverling	10251	Gustaf's Kn?ckebr?d	6
10	3 Leverling	10251	Ravioli Angelo	15
11	3 Leverling	10251	Louisiana Fiery Hot Pepper Sauce	20
12	4 Peacock	10252	Sir Rodney's Marmalade	40
13	4 Peacock	10252	Geitost	25
14	4 Peacock	10252	Camembert Pierrot	40
15	3 Leverling	10253	Gorgonzola Telino	20

14) List all the customers who never placed any orders

The screenshot shows the Oracle SQL Developer interface. On the left, the 'Oracle Connections' sidebar lists several connections: Admin, DreamWorks, John, neudemo, and uttk. Below this is the 'Reports' section with options like All Reports, Analytic View Reports, Data Dictionary Reports, Data Modeler Reports, OLAP Reports, TimesTen Reports, and User Defined Reports. The main workspace is divided into two tabs: 'Worksheet' and 'Query Builder'. The 'Worksheet' tab contains a SQL query:

```
SELECT c.Customer_ID, c.contact_Name
FROM CUSTOMERS c
LEFT JOIN ORDERS o ON c.Customer_ID = o.Customer_ID
WHERE o.Order_ID IS NULL;
```

Below the query is a 'Query Result' tab showing the output:

CUSTOMER_ID	CONTACT_NAME
1	57 Marie Bertrand
2	22 Diego Roel

The status bar at the bottom indicates "All Rows Fetched: 2 in 0.148 seconds".