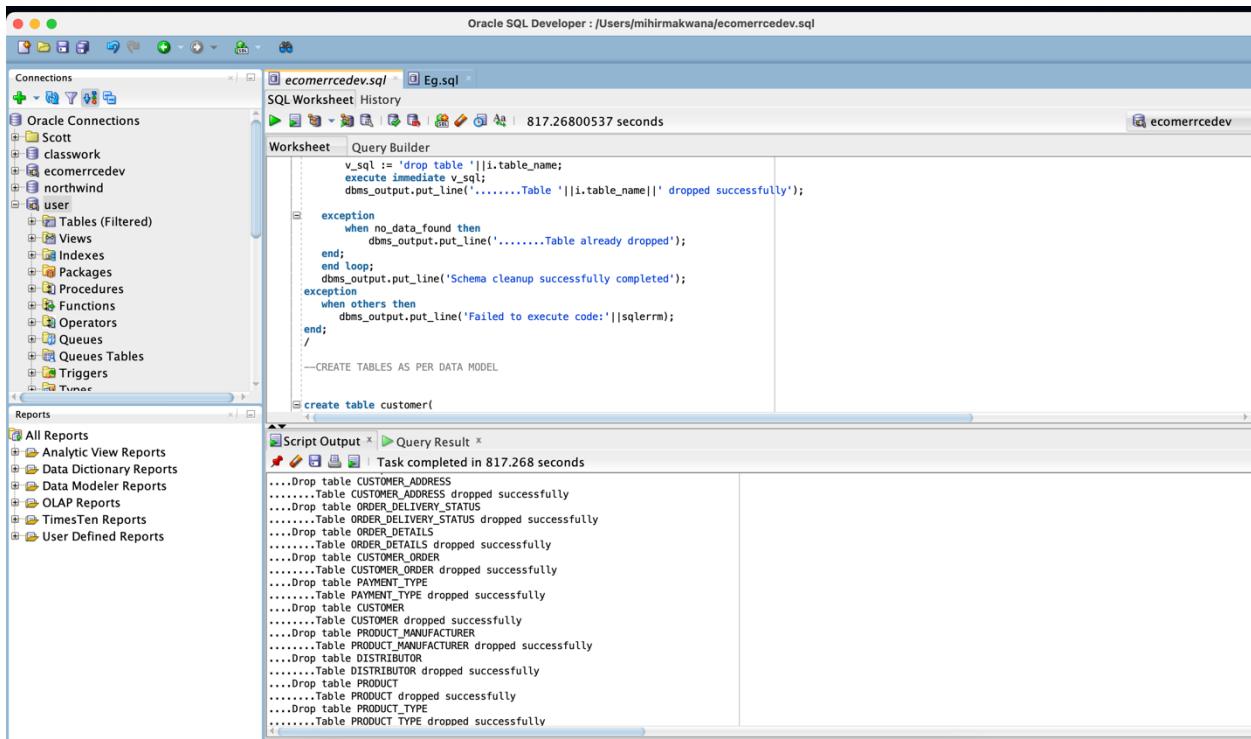


## Online E-commerce System

Team 13					
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Cleaning and creating new objects for each table:



The screenshot shows the Oracle SQL Developer interface. The left sidebar displays connections to various databases, with 'ecomerrcedev' selected. The main workspace contains a 'Worksheet' tab with the following PL/SQL code:

```

v_sql := 'drop table'||i.table_name;
execute immediate v_sql;
dbms_output.put_line('.....Table'||i.table_name||' dropped successfully');

exception
when no_data_found then
dbms_output.put_line('.....Table already dropped');
end;
end loop;
dbms_output.put_line('Schema cleanup successfully completed');
exception
when others then
dbms_output.put_line('Failed to execute code:'||sqlerrm);
end;
/
--CREATE TABLES AS PER DATA MODEL

create table customer(

```

The 'Script Output' tab at the bottom shows the execution results:

```

.....Table CUSTOMER_ADDRESS
.....Table CUSTOMER_ADDRESS dropped successfully
.....Table CUSTOMER_DELIVERY_STATUS
.....Table CUSTOMER_DELIVERY_STATUS dropped successfully
.....Table ORDER_DETAILS
.....Table ORDER_DETAILS dropped successfully
.....Drop table CUSTOMER_ORDER
.....Table CUSTOMER_ORDER dropped successfully
.....Drop table PAYMENT_TYPE
.....Table PAYMENT_TYPE dropped successfully
.....Drop table CUSTOMER
.....Table CUSTOMER dropped successfully
.....Drop table PRODUCT_MANUFACTURER
.....Table PRODUCT_MANUFACTURER dropped successfully
.....Drop table DISTRIBUTOR
.....Table DISTRIBUTOR dropped successfully
.....Drop table PRODUCT
.....Table PRODUCT dropped successfully
.....Drop table PRODUCT_TYPE
.....Table PRODUCT_TYPE dropped successfully

```

## Roles:

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays 'Connections' with entries like Scott, classwork, ecomercedevelop, northwind, and user. Below it 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 has tabs for 'ecomerdeved.sql' and 'Eg.sql'. The 'ecomerdeved.sql' tab is active, showing a script with SQL commands to drop role mihir, create role mihir identified by makwana101, create user customer identified by MihirMakwana801, grant connect, resource, create session, unlimited tablespace, select, update, delete, and grant mihir to customer. The 'Script Output' tab at the bottom shows the results of the execution: 'Grant succeeded.' repeated seven times.

```
drop role mihir;
drop user customer cascade;
create role mihir identified by makwana101;
create user customer identified by MihirMakwana801;
grant connect, resource to customer;
grant create session to customer;
grant unlimited tablespace to customer;
grant select on order_details to mihir;
grant select on product to mihir;
grant select on product_type to mihir;
grant select, update on payment_type to mihir;
grant select on order_delivery_status to mihir;
grant select, update, delete on customer_address to mihir;
grant select, update, delete on customer to mihir;
grant mihir to customer;
```

Script Output x | Task completed in 10.721 seconds

Grant succeeded.

Role MIHIR dropped.

User CUSTOMER dropped.

Role MIHIR created.

User CUSTOMER created.

Grant succeeded.

Grant succeeded.

## Customer Table:

The screenshot shows the Oracle SQL Developer interface with the connection 'ecommercedev' selected. In the 'Worksheet' tab, the query `select * from customer;` is run, resulting in 50 rows of data. The 'Query Result' tab displays the following table:

CUSTOMERID	CUSTOMER_FIRSTNAME	CUSTOMER_LASTNAME	CUSTOMER_DOB	CUSTOMER_PHONENO	CUSTOMER_EMAIL
1	Julie	Alejandro	23-FEB-23	6315978924	jalejandro@iglo.
2	Corny	Stihl	26-SEP-22	8209511531	cstihl@shinystat.
3	Elisha	Orviss	18-APR-22	7884253303	eorvis2@phphbb.com
4	Ansley	Chipping	05-SEP-22	7016871574	achipping@busine.
5	Arvie	Witul	18-JAN-23	9458002236	awitul@tamu.edu
6	Trumaine	Sebire	01-MAR-23	1393378393	tsebire5@ulu.com
7	Melesa	Kestian	19-MAY-22	5213384477	mkestian6@delicio.
8	Cornell	Oakly	25-SEP-22	8329512900	coakly7@whitehous.
9	Otheila	Melby	25-JUL-22	8743785270	omeby8@wordpress.
10	Asia	Hacquard	19-DEC-22	9038018324	ahacquard9@nydail.
11	Granger	Belslaw	15-NOV-22	9087145557	gbelslaw@cpanel.n
12	JeraLee	Jiles	05-DEC-22	4179574038	jjiles@seattleti.
13	Betsy	Brumbie	05-NOV-22	6911458497	bbrumbie@smugmug.
14	Lorilee	Preto	01-DEC-22	2741075204	lpreto@prweb.com

## Customer Address Table:

The screenshot shows the Oracle SQL Developer interface with the connection 'ecommercedev' selected. In the 'Worksheet' tab, the query `select * from customer_address;` is run, resulting in 50 rows of data. The 'Query Result' tab displays the following table:

CUSTOMERADD_ID	CUSTOMERID	STREET	STATE	CITY	ZIP
1	1	125 Porter Alley	California	San Diego	92127
2	2	4863 Prentice Plaza	Pennsylvania	Pittsburgh	15286
3	3	3572041 Brian Crest Road	Tennessee	Memphis	38143
4	4	935860 Service Lane	West Virginia	Huntington	25726
5	5	163 Orin Plaza	California	Inglewood	90305
6	6	921354 Pawling Court	Arizona	Phoenix	85010
7	7	235564 Muir Place	Florida	Panama City	32405
8	8	945 Morning Avenue	New Jersey	Newark	7188
9	9	449 Carioca Street	Missouri	Kansas City	64199
10	10	93 Melby Road	Arkansas	Fort Smith	72916
11	11	29563 Green Ridge Terrace	Pennsylvania	Levittown	19058
12	12	857 Hoepker Pass	California	Santa Barbara	93106
13	13	6941539 Division Way	Florida	Miami	33147
14	14	9891 Jana Road	California	Pasadena	91199
15	15	82116 Sachtion Street	Texas	Waco	76705

## Order Table:

The screenshot shows the Oracle SQL Developer interface with the connection 'ecommerce' selected. In the 'Tables (Filtered)' section, the 'CUSTOMER\_ORDER' table is expanded. A query 'select \* from customer\_order;' is run in the Worksheet, resulting in 50 rows of data displayed in the 'Query Result' tab.

ORDER_ID	ORDER_DATE	PAYMENT_TYPE_ID	CUSTOMERID
1	1 06-FEB-23	5	59
2	2 14-SEP-22	1	36
3	3 08-FEB-23	1	70
4	4 27-AUG-22	3	61
5	5 09-AUG-22	6	22
6	6 24-JUN-22	2	79
7	7 11-MAR-23	7	4
8	8 12-MAR-23	6	96
9	9 26-JAN-23	5	1
10	10 02-JUL-22	7	97
11	11 27-JUL-22	2	68
12	12 23-FEB-23	6	97
13	13 28-DEC-22	2	84
14	14 17-MAY-22	3	45

## Delivery Partner Table:

The screenshot shows the Oracle SQL Developer interface with the connection 'ecommerce' selected. In the 'Tables (Filtered)' section, the 'DELIVERY\_PARTNER' table is expanded. A query 'select \* from delivery\_partner;' is run in the Worksheet, resulting in 15 rows of data displayed in the 'Query Result' tab.

DELIVERY_PARTNER_ID	DELIVERY_PARTNER_NAME	DELIVERY_PARTNER_PHONENO	DELIVER_PARTNER_EMAIL
1	Benton Hurdedge	291482627	bhurdedge@q1obo.com
2	Yvette Tremblet	5629934833	ytremblet1@skyrock.com
3	Martyn Summerlie	8806861058	msummerlie2@underground.com
4	Tirrell Annyle	6252777929	tannyle3@washington.edu
5	Laryssa Hassell	7492449872	lhassell@chicagotribune.com
6	Star Durtmel	9432148907	sdurtmel15@nyu.edu
7	Panchito Stoize	4553461210	pstoize@comcast.net
8	Phyllis Lemppeny	4882402681	plempenny7@pula.or.jp
9	Kamilah Bullent	644883809	kbullent@usgs.gov
10	Delmar Hinsche	4395142702	dhinsche9@vtv.com
11	Mitzi Redmille	9239028898	mredmille@illinois.edu
12	Noemi Aleswell	3323132147	naleswellb@comcast.net
13	Westbrook Mathall	9178412151	wmathall@marketwatch.com
14	Hermon Steere	8553642354	hsteered@8.net
15	Alveranda Alverandou	7145A90N9	dalverandou@outlook.com

## Distributor Table:

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays the 'Connections' tree, which is expanded to show the 'ecomerrcdevel' connection, specifically the 'Tables (Filtered)' node. Under this node, several tables are listed: CUSTOMER, CUSTOMER\_ADDRESS, CUSTOMER\_ORDER, DELIVERY\_PARTNER, DISTRIBUTOR, ORDER\_DELIVERY\_STATUS, ORDER\_DETAILS, PAYMENT\_TYPE, PRODUCT, PRODUCT\_MANUFACTURER, and PRODUCT\_TYPE. Below this, there are nodes for Views, Indexes, Packages, and Procedures. The 'Reports' section is also visible, containing links to All Reports, Analytic View Reports, Data Dictionary Reports, Data Modeler Reports, OLAP Reports, TimesTen Reports, and User Defined Reports.

The main workspace consists of two tabs: 'SQL Worksheet' and 'Query Builder'. The 'SQL Worksheet' tab contains the SQL query: `select * from distributor;`. The 'Query Result' tab shows the results of the query, which is a table with columns: DISTRIBUTOR\_ID, PRODUCT\_ID, PRODUCT\_MANUFACTURER\_ID, and PRODUCT\_QUANTITY. The data is as follows:

DISTRIBUTOR_ID	PRODUCT_ID	PRODUCT_MANUFACTURER_ID	PRODUCT_QUANTITY
1	1	1	10
2	2	22	20
3	3	3	30
4	4	46	30
5	5	31	30
6	6	24	30
7	7	1	30
8	8	20	30
9	9	50	30
10	10	36	30

## Order Details:

This screenshot of Oracle SQL Developer is similar to the previous one, showing the same environment and connections. The 'Tables (Filtered)' node under the 'ecomerrcdevel' connection is expanded, listing the same set of tables: CUSTOMER, CUSTOMER\_ADDRESS, CUSTOMER\_ORDER, DELIVERY\_PARTNER, DISTRIBUTOR, ORDER\_DELIVERY\_STATUS, ORDER\_DETAILS, PAYMENT\_TYPE, PRODUCT, PRODUCT\_MANUFACTURER, and PRODUCT\_TYPE. The 'Reports' section is also present.

The main workspace shows the 'SQL Worksheet' tab with the query: `select * from order_details;`. The 'Query Result' tab displays the results of this query, which is a table with columns: ORDER\_DETAILS\_ID, PRODUCT\_ID, and ORDER\_ID. The data is as follows:

ORDER_DETAILS_ID	PRODUCT_ID	ORDER_ID
1	1	31
2	2	36
3	3	47
4	4	22
5	5	58
6	6	22
7	7	4
8	8	47
9	9	43
10	10	3
11	11	49
12	12	41
13	13	50
14	14	34

## Payment Type:

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays the 'Connections' tree, which is expanded to show the 'ecomerrcedevel' connection, specifically the 'Tables (Filtered)' node. This node contains tables such as CUSTOMER, CUSTOMER\_ADDRESS, CUSTOMER\_ORDER, DELIVERY\_PARTNER, DISTRIBUTOR, ORDER\_DELIVERY\_STATUS, ORDER\_DETAILS, PAYMENT\_TYPE, PRODUCT, PRODUCT\_MANUFACTURER, and PRODUCT\_TYPE. Below this, there are nodes for Views, Indexes, Packages, and Procedures. The 'Reports' section is also visible.

The main workspace consists of two tabs: 'SQL Worksheet' and 'Query Builder'. The 'SQL Worksheet' tab contains the SQL query:

```
select * from payment_type;
```

The 'Query Result' tab displays the fetched data:

PAYMENT_TYPE_ID	PAYMENT_TYPE_NAME
1	Bank Transfer
2	Cash On Delivery
3	Credit Card
4	GPay
5	Debit Card
6	Apple Pay
7	PayPal

## Product:

The screenshot shows the Oracle SQL Developer interface, similar to the previous one but with a different query. The 'Connections' tree on the left is identical, showing the 'ecomerrcedevel' connection and its tables.

The main workspace has the 'SQL Worksheet' tab active, containing the SQL query:

```
select * from Product;
```

The 'Query Result' tab displays the fetched data:

PRODUCT_ID	PRODUCT_TYPE_ID	PRODUCT_NAME	PRODUCT_COST	PRODUCT_ACTIVE	PRODUCT_QUANTITY
1	1	apple	773	Out of stock	26
2	2	dog lotion	117	Out of stock	88
3	3	3 beauty soap	189	In stock	88
4	4	4 cricket bat	249	Out of stock	16
5	5	5 sony	142	Out of stock	53
6	6	6 Tv	823	Out of stock	8
7	7	7 Tomatoes	691	Out of stock	10
8	8	8 Plants	571	Out of stock	45
9	9	9 Hm	519	Out of stock	10
10	10	10 a	1055	Out of stock	48
11	11	1acer	1473	Out of stock	74
12	12	2 small pet soap	258	Out of stock	41
13	13	3 beauty lotion	1390	Out of stock	9
14	14	4 football	1170	Out of stock	99
15	15	5 sh	130	In stock	87

**Product Manufacturer:** For our database we have only one manufacturer which has many distributors.

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays the 'Connections' tree, with 'ecomerrcedev' selected. Under 'Tables (Filtered)', several tables are listed: CUSTOMER, CUSTOMER\_ADDRESS, CUSTOMER\_ORDER, DELIVERY\_PARTNER, DISTRIBUTOR, ORDER\_DELIVERY\_STATUS, ORDER\_DETAILS, PAYMENT\_TYPE, PRODUCT, PRODUCT\_MANUFACTURER, and PRODUCT\_TYPE. The 'Reports' section includes options like All Reports, Analytic View Reports, Data Dictionary Reports, Data Modeler Reports, OLAP Reports, TimesTen Reports, and User Defined Reports.

In the central workspace, the 'Worksheet' tab is active, showing the query `select * from Product_Manufacturer;`. Below the worksheet is the 'Query Result' tab, which displays the results of the query. The results show a single row with columns PRODUCT\_MANUFACTURER\_ID and DISTRIBUTOR\_ID, both containing the value 1.

**Product Type:**

The screenshot shows the Oracle SQL Developer interface, similar to the previous one but with a different query. The 'Connections' tree shows 'ecomerrcedev' selected. The 'Worksheet' tab contains the query `select * from Product_Type;`. The 'Query Result' tab shows the results of this query, which lists 10 rows of product types with their IDs, names, and descriptions.

PRODUCT_TYPE_ID	PRODUCT_TYPE_NAME	PRODUCT_DESCRIPTION
1	Computer	Major contusion of left kidney, subsequent encounter
2	Pet	Other myositis, left lower leg
3	Beauty	Subluxation of tarsometatarsal joint of unspecified
4	Sports	Nasopharyngeal myiasis
5	Headphones	Legal intervention involving injury by tear gas, la
6	Electronics	Legal intervention involving unspecified firearm di
7	Food and Grocery	Traumatic hemorrhage of right cerebrum with loss of
8	Lifestyle	Nondisplaced fracture of anterior wall of unspecifi
9	Clothes	Other phseal fracture of upper end of unspecified
10	Books	Displaced fracture of neck of scapula, left shoulde

## Order Delivery Status:

Oracle SQL Developer : /Users/mihirmakwana/ecomerrcedev.sql

Connections ecomerrcedev

Tables (Filtered)

- CUSTOMER
- CUSTOMER\_ADDRESS
- CUSTOMER\_ORDER
- DELIVERY\_PARTNER
- DISTRIBUTOR
- ORDER\_DELIVERY\_STATUS
- ORDER\_DETAILS
- PAYMENT\_TYPE
- PRODUCT
- PRODUCT\_MANUFACTURER
- PRODUCT\_TYPE

Views

Indexes

Packages

Procedures

Reports

- All Reports
- Analytic View Reports
- Data Dictionary Reports
- Data Modeler Reports
- OLAP Reports
- TimesTen Reports
- User Defined Reports

SQL Worksheet History

Worksheet Query Builder

```
select * from order_delivery_status;
```

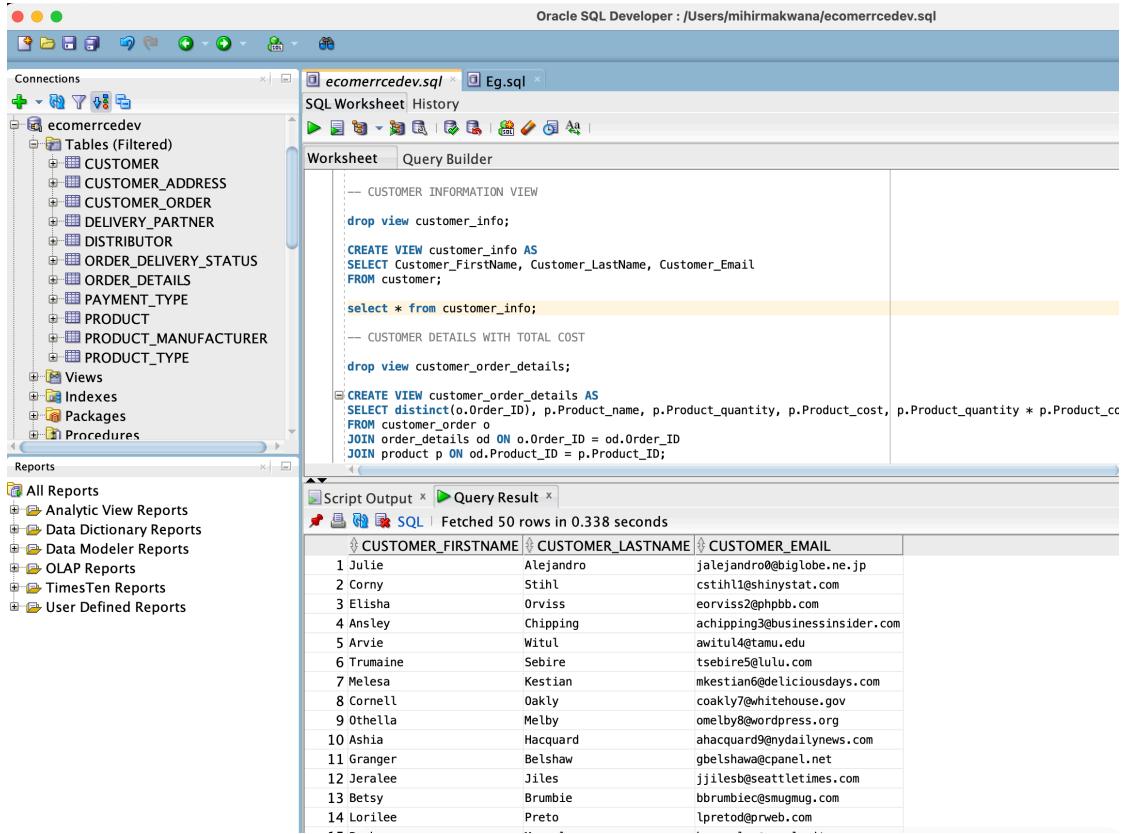
Script Output x Query Result x

SQL | Fetched 50 rows in 0.349 seconds

ORDER_DELIVERY_STATUS_ID	ORDER_DELIVERY_STATUS_NAME	ORDER_ID	DELIVERY_PARTNER_ID
1	Order Received	36	22
2	Order processing	145	8
3	Order Received	25	17
4	Order Shipped	72	22
5	Order Received	17	15
6	Order Delivered	117	22
7	Order Shipped	142	22
8	Order processing	36	15
9	Order Delivered	68	18
10	Order Received	135	11
11	Order Received	16	10
12	Order Received	9	4
13	Order Received	49	5
14	Order Received	21	15
15	Order processing	1	21

## VIEWS:

### 1) Customer Information:



The screenshot shows the Oracle SQL Developer interface. On the left, the Connections tree shows a connection to 'ecomerrcdevel'. The central workspace has a 'Worksheet' tab open with the following SQL code:

```

-- CUSTOMER INFORMATION VIEW
drop view customer_info;

CREATE VIEW customer_info AS
SELECT Customer_FirstName, Customer_LastName, Customer_Email
FROM customer;

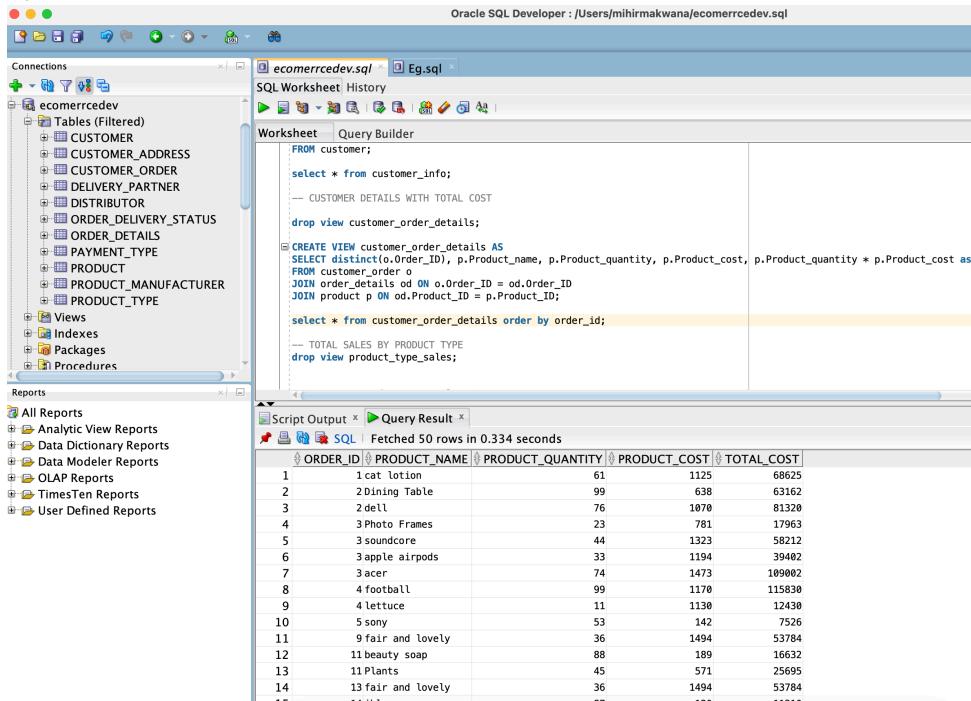
select * from customer_info;

```

Below the worksheet is a 'Script Output' window showing the results of the query:

CUSTOMER_FIRSTNAME	CUSTOMER_LASTNAME	CUSTOMER_EMAIL
Julie	Alejandro	jalejandro@biglobe.ne.jp
2 Corny	Sthl	cstihl1@shinystat.com
3 Elisha	Orviss	eorviss2@phpbb.com
4 Ansley	Chipping	achipping3@businessinsider.com
5 Arvie	Witul	awitul4@tamu.edu
6 Trumaine	Sebire	tsebire5@ulu.com
7 Melesa	Kestian	mkestian6@deliciousdays.com
8 Cornell	Oakly	coakly@whitehouse.gov
9 Othella	Melby	omelby8@wordpress.org
10 Ashia	Hacquard	ahacquard9@nydailynews.com
11 Granger	Belshaw	gbeleshaw@cpANEL.net
12 Jeralee	Jiles	jjilesb@seattletimes.com
13 Betsy	Brumbie	bbrumbie@smugmug.com
14 Lorilee	Preto	lpretod@pweb.com

### 2) CUSTOMER DETAILS WITH TOTAL COST:



The screenshot shows the Oracle SQL Developer interface. On the left, the Connections tree shows a connection to 'ecomerrcdevel'. The central workspace has a 'Worksheet' tab open with the following SQL code:

```

-- CUSTOMER DETAILS WITH TOTAL COST
drop view customer_order_details;

CREATE VIEW customer_order_details AS
SELECT distinct(o.Order_ID), p.Product_name, p.Product_quantity, p.Product_cost, p.Product_quantity * p.Product_cost as Total_Cost
FROM customer_order o
JOIN order_details od ON o.Order_ID = od.Order_ID
JOIN product p ON od.Product_ID = p.Product_ID;

select * from customer_order_details order by order_id;

```

Below the worksheet is a 'Script Output' window showing the results of the query:

ORDER_ID	PRODUCT_NAME	PRODUCT_QUANTITY	PRODUCT_COST	TOTAL_COST
1	1cat lotion	61	1125	66625
2	2Dining Table	99	638	63162
3	2dell	76	1070	81320
4	3Photo Frames	23	781	17963
5	3soundcore	44	1323	58212
6	3apple airpods	33	1194	39402
7	3acer	74	1473	109002
8	4 football	99	1170	115830
9	4 lettuce	11	1130	12430
10	5 sony	53	142	7526
11	9 fair and lovely	36	1494	53784
12	11beauty soap	88	189	16632
13	11Plants	45	571	25695
14	13 fair and lovely	36	1494	53784

### 3) TOTAL SALES BY PRODUCT TYPE:

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays the database structure under the connection 'ecomerrcedev'. The central area is a 'Worksheet' tab where SQL code is being written. The code creates a view named 'product\_type\_sales' that sums the product cost multiplied by quantity for each product type. A 'Script Output' tab at the bottom shows the results of the query, which lists various product types and their total sales.

```

--select * from customer_order_details order by order_id;
-- TOTAL SALES BY PRODUCT TYPE
drop view product_type_sales;

CREATE VIEW product_type_sales AS
SELECT pt.Product_type_name, SUM(p.Product_cost * p.Product_quantity) AS Total_Sales
FROM product_type pt
JOIN product p ON pt.Product_type_ID = p.Product_type_ID
JOIN order_details od ON p.Product_ID = od.Product_ID
GROUP BY pt.Product_type_name;

select * from product_type_sales;

-- PRODUCT INVENTORY QUANTITY STATUS
drop view product_inventory;

```

PRODUCT_TYPE_NAME	TOTAL_SALES
1 Electronics	478806
2 Sports	211397
3 Lifestyle	356926
4 Food and Gorgery	324233
5 Pet	257503
6 Books	209149
7 Clothes	266595
8 Computer	849315
9 Headphones	300418
10 Beauty	313956

### 4) PRODUCT INVENTORY QUANTITY STATUS

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays the database structure under the connection 'ecomerrcedev'. The central area is a 'Worksheet' tab where SQL code is being written. The code creates a view named 'product\_inventory' that joins products and distributor tables to show quantity per product. It also creates a view named 'customers\_without\_orders' that lists customers who have not placed any orders. A 'Script Output' tab at the bottom shows the results of the 'product\_inventory' query, listing various products and their current quantity.

```

--select * from product_type_sales;

-- PRODUCT INVENTORY QUANTITY STATUS
drop view product_inventory;

CREATE VIEW product_inventory AS
SELECT p.Product_name, d.Product_Quantity
FROM distributor d
JOIN product p ON d.Product_ID = p.Product_ID;

select * from product_inventory;

-- CUSTOMERS WITHOUT ANY ORDER
drop view customers_without_orders;

CREATE VIEW customers_without_orders AS
SELECT c.CustomerID, c.Customer_FirstName, c.Customer_LastName
FROM customer c
WHERE c.CustomerID NOT IN (SELECT o.CustomerID FROM order_details o);

```

PRODUCT_NAME	PRODUCT_QUANTITY
1 apple	10
2 apple	30
3 beauty soap	30
4 b	30
5 horse hair cleaner	20
6 cricket ball	30
7 dell	30
8 Speaker	30
9 Mobile phones	30
10 e	30

## 5) Customer Without Any Orders:

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays database connections, including 'ecomerrcdev'. The main workspace has two tabs: 'ecomerrcdev.sql' and 'Eg.sql'. The 'Query Builder' tab contains the following SQL code:

```

CREATE VIEW product_inventory AS
SELECT p.Product_name, d.Product_Quantity
FROM distributor d
JOIN product p ON d.Product_ID = p.Product_ID;

--select * from product_inventory;

-- CUSTOMERS WITHOUT ANY ORDER

drop view customers_without_orders;

CREATE VIEW customers_without_orders AS
SELECT c.CustomerID, c.Customer_FirstName, c.Customer_LastName
FROM customer c
WHERE NOT EXISTS (SELECT * FROM customer_order o WHERE o.CustomerID = c.CustomerID);

select * from customers_without_orders;

```

The 'Script Output' tab shows the results of the query:

CUSTOMERID	CUSTOMER_FIRSTNAME	CUSTOMER_LASTNAME
1	7Melesa	Kestian
2	13Betsy	Brumbie
3	19Kania	KobieLa
4	24Rania	Dulake
5	25Conn	Yukhnini
6	27Star	Bosomworth
7	29Ailey	Rozsa
8	30Regan	Dominelli
9	33Humphrey	Smewig
10	34Demott	Johann
11	39Kellie	Liver
12	47Mali	Kaser
13	48Preston	Cogell
14	50Sophie	Delete
15	52Karmu	Conley

## 6) DELIVERY STATUS OF EACH ORDER SORT BY ORDER ID

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays database connections, including 'ecomerrcdev'. The main workspace has two tabs: 'ecomerrcdev.sql' and 'Eg.sql'. The 'Query Builder' tab contains the following SQL code:

```

-- CUSTOMERS WITHOUT ANY ORDER

drop view customers_without_orders;

CREATE VIEW order_delivery_info AS
SELECT o.Order_ID, s.Order_delivery_status_Name, dp.Delivery_partner_Name
FROM customer_order o
JOIN order_delivery_status s ON o.Order_ID = s.Order_ID
JOIN delivery_partner dp ON s.Delivery_partner_ID = dp.Delivery_partner_ID;

select * from order_delivery_info order by order_id;

```

The 'Script Output' tab shows the results of the query:

ORDER_ID	ORDER_DELIVERY_STATUS_NAME	DELIVERY_PARTNER_NAME
1	1Order processing	Chic Perrins
2	4Order Received	Hermon Steere
3	7Order Shipped	Westbrook Watmall
4	8Order Received	Star Durtmel
5	9Order Received	Tirrell Annwyl
6	14Order processing	Deeanne Hemeret
7	16Order Received	Delmar Hinsche
8	17Order Received	Durand Alexsandrev
9	17Order Shipped	Modesta D'Avaux
10	18Order Shipped	Martyn Summerlie
11	18Order processing	Modesta D'Avaux
12	21Order Received	Durand Alexsandrev
13	23Order Delivered	Mitzi Redmille
14	25Order Received	Karlan Gothup
15	34Order Delivered	Panchito Stolze

## 7) TOTAL INDIVIDUAL SALES BY AN CUSTOMER

The screenshot shows the Oracle SQL Developer interface. In the top right, the title bar says "Oracle SQL Developer : /Users/mihirmakwana/ecomerrcedev.sql". The left sidebar has sections for "Connections" (with "Scott", "classwork", "ecomerrcedev", "northwind", "user") and "Database Schema Service Connections". Below that is a "Reports" section with "All Reports", "Analytic View Reports", "Data Dictionary Reports", "Data Modeler Reports", "OLAP Reports", "TimesTen Reports", and "User Defined Reports". The main workspace has two tabs: "ecomerrcedev.sql" and "Eg.sql". The "ecomerrcedev.sql" tab contains the following SQL code:

```

--select * from order_delivery_info order by order_id;
--TOTAL INDIVIDUAL SALES BY AN CUSTOMER
drop view customer_sales;

CREATE VIEW customer_sales AS
SELECT c.CustomerID, c.Customer_FirstName, c.Customer_LastName, SUM(p.Product_cost * p.Product_quantity) AS
FROM customer c
JOIN customer_order o ON c.CustomerID = o.CustomerID
JOIN order_details od ON o.Order_ID = od.Order_ID
JOIN product p ON od.Product_ID = p.Product_ID
GROUP BY c.CustomerID, c.Customer_FirstName, c.Customer_LastName;

select * from customer_sales order by customerid;
-- FULL ORDER DETAILS WITH DELIVERY STATUS , PRODUCT, PRODUCT COST
drop view a;

```

Below the code is a "Script Output" tab showing "Fetched 50 rows in 0.327 seconds" and a "Query Result" tab displaying a table of customer sales data:

CUSTOMERID	CUSTOMER_FIRSTNAME	CUSTOMER_LASTNAME	TOTAL_SALES
1	Julie	Alejandro	53784
2	Corny	Stihl	109002
3	Ansley	Chipping	133875
4	Arvie	Witul	45294
5	Trumaine	Sebire	121365
6	Othella	Melby	67098
7	Ashia	Hacquard	126090
8	Granger	Belshaw	121365
9	Jeralee	Jiles	111579
10	Lorilee	Preto	43523
11	Lolita	Topaz	63162
12	Brooke	Pyatt	27008
13	Marti	Jakoviljevic	11696
14	Luce	Mundwell	8427
15	Hakim	Wybourne	18104

## 8) FULL ORDER DETAILS WITH DELIVERY STATUS , PRODUCT, PRODUCT COST

The screenshot shows the Oracle SQL Developer interface. The top right title bar says "Oracle SQL Developer : /Users/mihirmakwana/ecomerrcedev.sql". The left sidebar has sections for "Connections" (with "Scott", "classwork", "ecomerrcedev", "northwind", "user") and "Database Schema Service Connections". Below that is a "Reports" section with "All Reports", "Analytic View Reports", "Data Dictionary Reports", "Data Modeler Reports", "OLAP Reports", "TimesTen Reports", and "User Defined Reports". The main workspace has two tabs: "ecomerrcedev.sql" and "Eg.sql". The "ecomerrcedev.sql" tab contains the following SQL code:

```

-- GROUP BY c.CustomerID, c.Customer_FirstName, c.Customer_LastName;
--select * from customer_sales order by customerid;
-- FULL ORDER DETAILS WITH DELIVERY STATUS , PRODUCT, PRODUCT COST
drop view a;

CREATE VIEW a AS
SELECT o.Order_ID, o.Order_date, c.Customer_FirstName, c.Customer_LastName, p.Product_name, p.Product_cost, od.Order_details_ID,
os.Order_delivery_Status_Name, dp.Delivery_partner_Name, dp.Delivery_partner_PhoneNo
FROM customer_order o
JOIN customer c ON c.CustomerID = o.CustomerID
JOIN order_details od ON o.Order_ID = od.Order_ID
JOIN product p ON p.Product_ID = od.Product_ID
LEFT JOIN order_delivery_status ods ON ods.Order_ID = o.Order_ID
LEFT JOIN delivery_partner dp ON dp.Delivery_partner_ID = ods.Delivery_partner_ID
LEFT JOIN order_delivery_Status os ON os.Order_delivery_Status_ID = ods.Order_delivery_Status_ID;

select * from a order by order_id;

```

Below the code is a "Script Output" tab showing "Fetched 50 rows in 0.67 seconds" and a "Query Result" tab displaying a table of full order details data:

ORDER_ID	ORDER_DATE	CUSTOMER_FIRSTNAME	CUSTOMER_LASTNAME	PRODUCT_NAME	PRODUCT_COST	ORDER_DETAILS_ID	ORDER_DELIVERY_STATUS
1	106-FEB-23	Patsy	Tatham	cat lotion	1125	69	Order processing
2	214-SEP-22	Any	Whacket	Dining Table	638	79	(null)
3	214-SEP-22	Any	Whacket	dell	1070	1	(null)
4	308-FEB-23	Yuri	Dooney	acer	1473	96	(null)
5	308-FEB-23	Yuri	Dooney	apple airpods	1194	25	(null)
6	308-FEB-23	Yuri	Dooney	Photo Frames	781	32	(null)
7	308-FEB-23	Yuri	Dooney	soundcore	1323	30	(null)
8	427-AUG-22	Korry	Marflitt	football	1170	34	Order Received
9	427-AUG-22	Korry	Marflitt	lettuce	1130	76	Order Received
10	509-AUG-22	Hakim	Wybourne	sony	142	38	(null)
11	926-JAN-23	Julie	Alejandro	fair and lovely	1494	15	Order Received
12	1127-JUL-22	Marji	Messer	beauty soap	189	10	(null)
13	1127-JUL-22	Marji	Messer	Plants	571	77	(null)
14	1328-DEC-22	Sheeree	Wrightson	fair and lovely	1494	22	(null)

Oracle SQL Developer : /Users/mihirmakwana/ecomerrcedev.sql

**Connections**

- Oracle Connections
  - Scott
  - classwork
  - ecomerrcedev
  - northwind
  - user
- Database Schema Service Connections

**Reports**

- All Reports
- Analytic View Reports
- Data Dictionary Reports
- Data Modeler Reports
- OLAP Reports
- TimesTen Reports
- User Defined Reports

**ecomerrcedev.sql Eg.sql**

SQL Worksheet History

Worksheet Query Builder

```

GROUP BY c.CustomerID, c.Customer_FirstName, c.Customer_LastName;
--select * from customer_sales order by customerid;
-- FULL ORDER DETAILS WITH DELIVERY STATUS , PRODUCT, PRODUCT COST
drop view a;

CREATE VIEW a AS
SELECT o.Order_ID, o.Order_date, c.Customer_FirstName, c.Customer_LastName, p.Product_name, p.Product_cost, od.Order_details_ID,
os.Order_delivery_status_Name, dp.Delivery_partner_Name, dp.Delivery_partner_PhoneNo
FROM customer_order o
JOIN customer c ON c.CustomerID = o.CustomerID
JOIN order_detail od ON od.Order_ID = o.Order_ID
JOIN product p ON p.Product_ID = od.Product_ID
LEFT JOIN order_delivery_status os ON os.Order_ID = o.Order_ID
LEFT JOIN delivery_partner dp ON dp.Delivery_partner_ID = os.Delivery_partner_ID
LEFT JOIN order_delivery_status os ON os.Order_delivery_status_ID = os.Order_delivery_status_ID;

select * from a order by order_id;

```

Script Output Fetched 50 rows in 0.67 seconds

TNAME	PRODUCT_NAME	PRODUCT_COST	ORDER_DETAILS_ID	ORDER_DELIVERY_STATUS_NAME	DELIVERY_PARTNER_NAME	DELIVERY_PARTNER_PHONENO
2	Dining Table	638	79 (null)	(null)	(null)	(null)
3	dell	1070	1 (null)	(null)	(null)	(null)
4	acer	1473	96 (null)	(null)	(null)	(null)
5	apple airpods	1194	25 (null)	(null)	(null)	(null)
6	Photo Frames	781	32 (null)	(null)	(null)	(null)
7	soundcore	1323	30 (null)	(null)	(null)	(null)
8	football	1170	34 Order Received	Hermon Steere	8553042354	
9	lettuce	1130	75 Order Received	Hermon Steere	8553042354	
10	sony	142	38 (null)	(null)	(null)	(null)
11	fair and lovely	1494	15 Order Received	Tirrell Annwyl	6252779929	
12	beauty soap	189	10 (null)	(null)	(null)	(null)
13	Plants	571	77 (null)	(null)	(null)	(null)
14	fair and lovely	1494	22 (null)	(null)	(null)	(null)
15	jbl	130	70 Order processing	Deeanne Hemeret	2023842831	

## 9) MONTHLY SALES

Oracle SQL Developer : /Users/mihirmakwana/ecomerrcedev.sql

**Connections**

- Oracle Connections
  - Scott
  - classwork
  - ecomerrcedev
  - northwind
  - user
- Database Schema Service Connections

**Reports**

- All Reports
- Analytic View Reports
- Data Dictionary Reports
- Data Modeler Reports
- OLAP Reports
- TimesTen Reports
- User Defined Reports

**ecomerrcedev.sql Eg.sql**

SQL Worksheet History

Worksheet Query Builder

```

-- MONTHLY SALES WITH AVERAGE ORDER VALUE
drop view monthly_sales;

CREATE VIEW monthly_sales AS
SELECT TO_CHAR(o.Order_date, 'YYYY-MM') AS Month,
       SUM(p.Product_cost * p.Product_Quantity) AS Total_Sales,
       round(AVG(p.Product_cost * p.Product_Quantity), 2) AS Avg_Order_Value
FROM customer_order o
JOIN order_details od ON od.Order_ID = o.Order_ID
JOIN product p ON p.Product_ID = od.Product_ID
GROUP BY TO_CHAR(o.Order_date, 'YYYY-MM');

select * from monthly_sales;

commit;

```

Script Output All Rows Fetched: 13 in 0.645 seconds

MONTH	TOTAL_SALES	Avg_Order_Value
1 2022-08	289045	41292.14
2 2022-11	269611	29956.78
3 2022-06	224572	32081.71
4 2022-10	244442	34920.29
5 2023-01	261128	43521.33
6 2022-12	298526	37315.75
7 2022-04	592984	45614.15
8 2022-03	57253	19084.33
9 2023-02	416847	41684.7
10 2022-09	361197	40133
11 2022-07	173472	17347.2
12 2022-05	247781	35397.29
13 2023-03	131440	32860