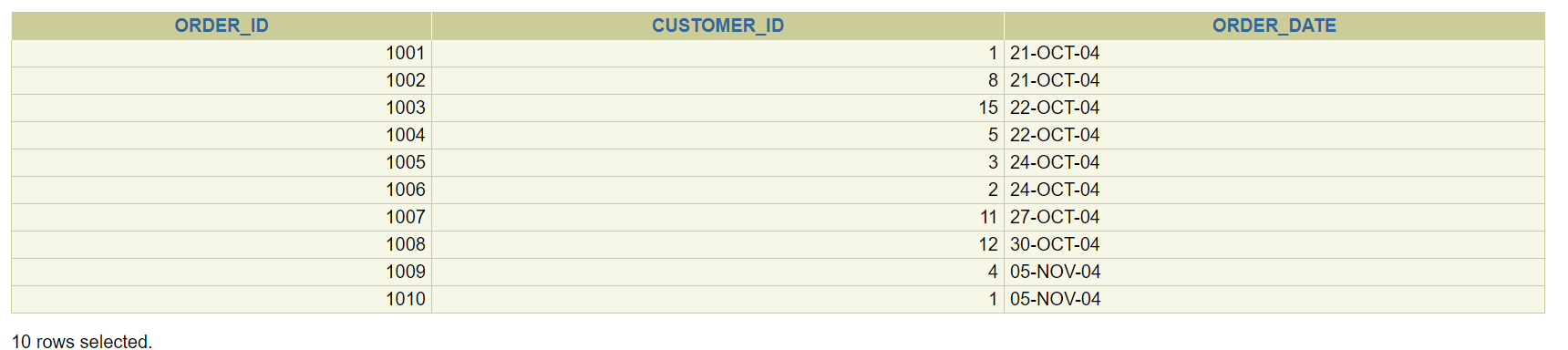
**SQL HWK4**

Download the PV Furniture SQL script from Canvas and create the PVF database.

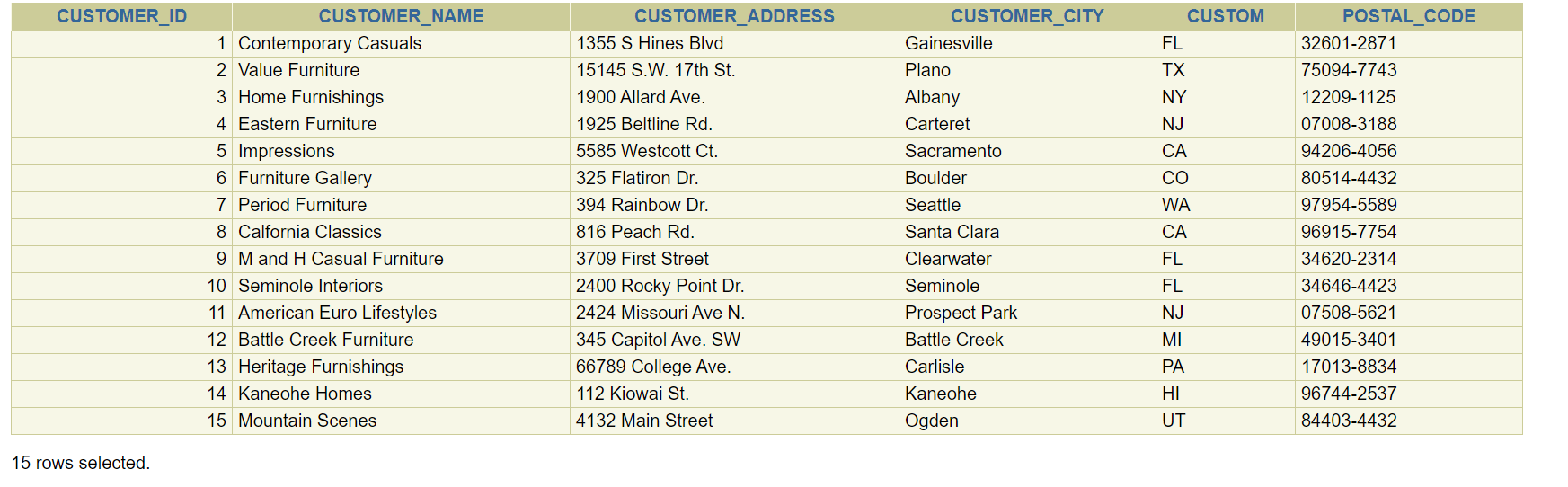
1. Print out the hardcopy of the Order database instance using SQL statement, for example, Select \* from table \_name;

Your output should have the full content of the following four tables. You need to copy and paste your SQL statements and their corresponding output to Word file before you print.

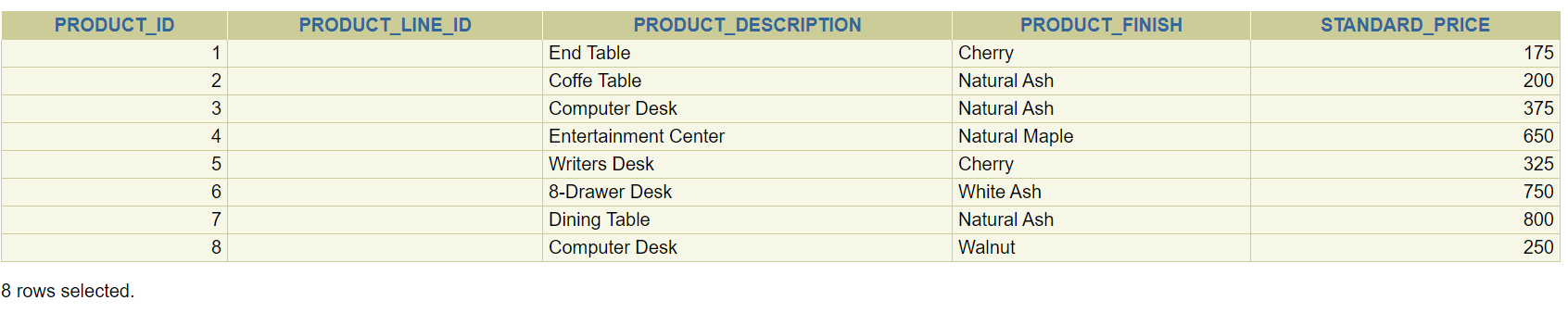
SELECT \* FROM Order\_T;



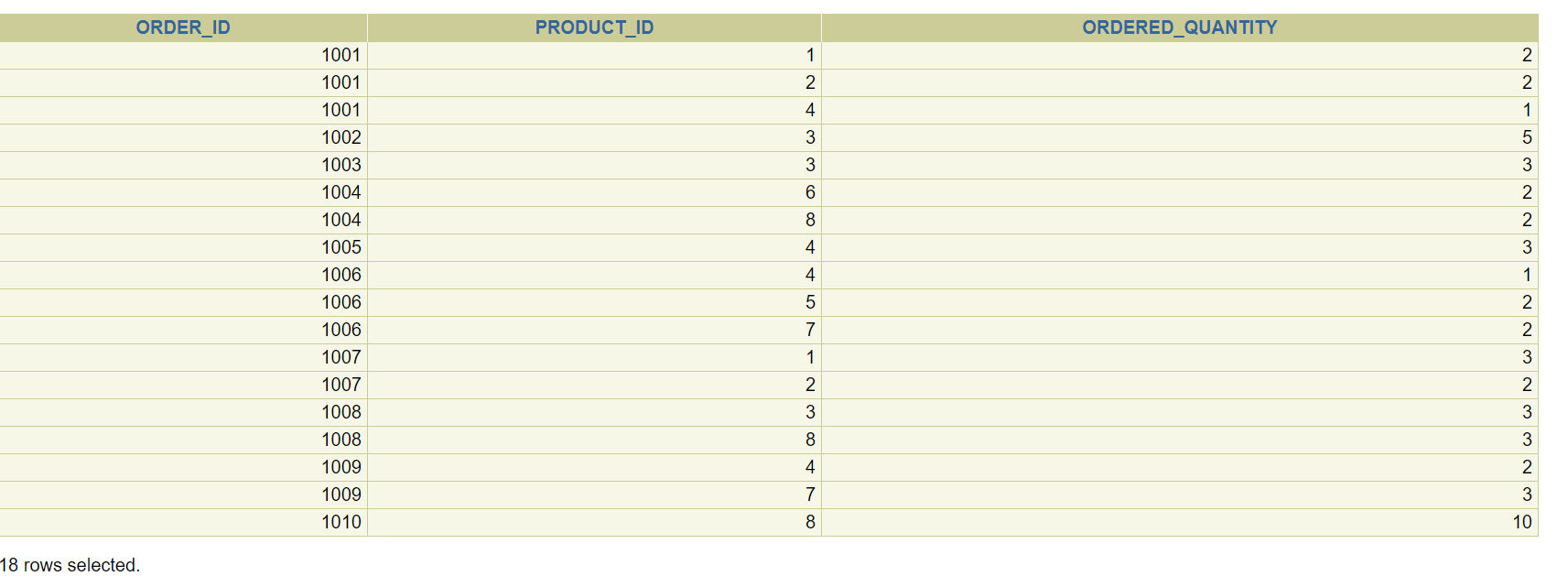
SELECT \* FROM Customer\_T;



SELECT \* FROM Product\_T;



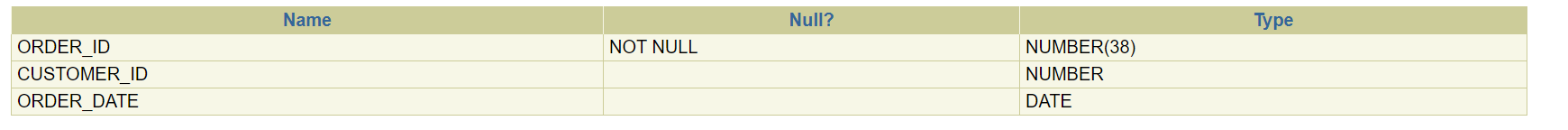
SELECT \* FROM OrderLine\_T;



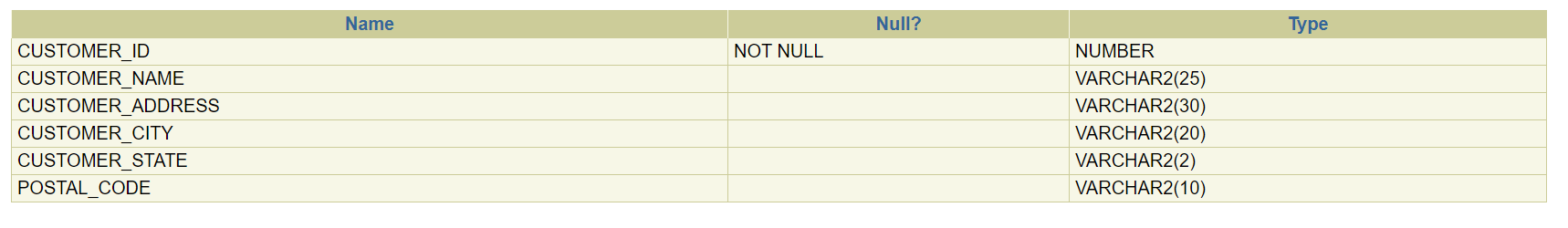
Print out the hardcopy of the database structure using SQLPlus statement, for example, Desc table\_name;

Your output should have the structure of the following four tables. You need to copy and paste your SQL statements and their corresponding output to Word file before you print.

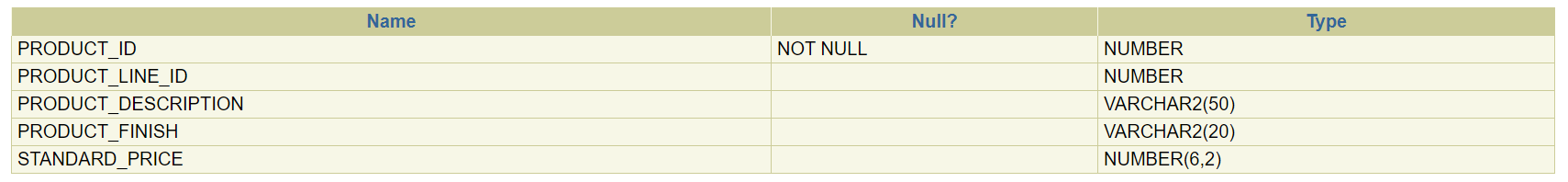
Desc table Order\_T



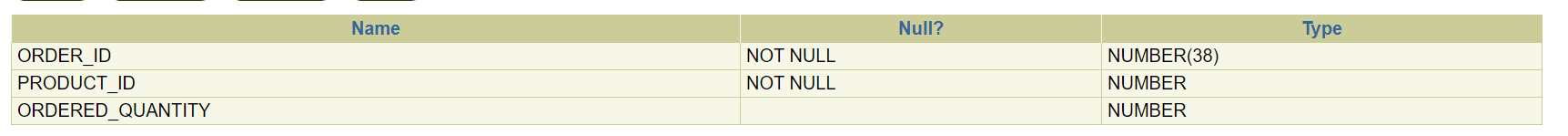
Desc table Customer\_T



Desc table Product\_T



Desc table OrderLine\_T



2. Continue working on your Order database on the following queries using SQL statements. Copy and past 1) query question, 2) SQL statement and 3) SQL output to a word file, and print it out.

1. List all the desks in the PVF company that cost between $400 and $500 inclusive.

SELECT product\_description, standard\_price

FROM product\_t

WHERE standard\_price BETWEEN 400 and 500

AND product\_description LIKE '%Desk';

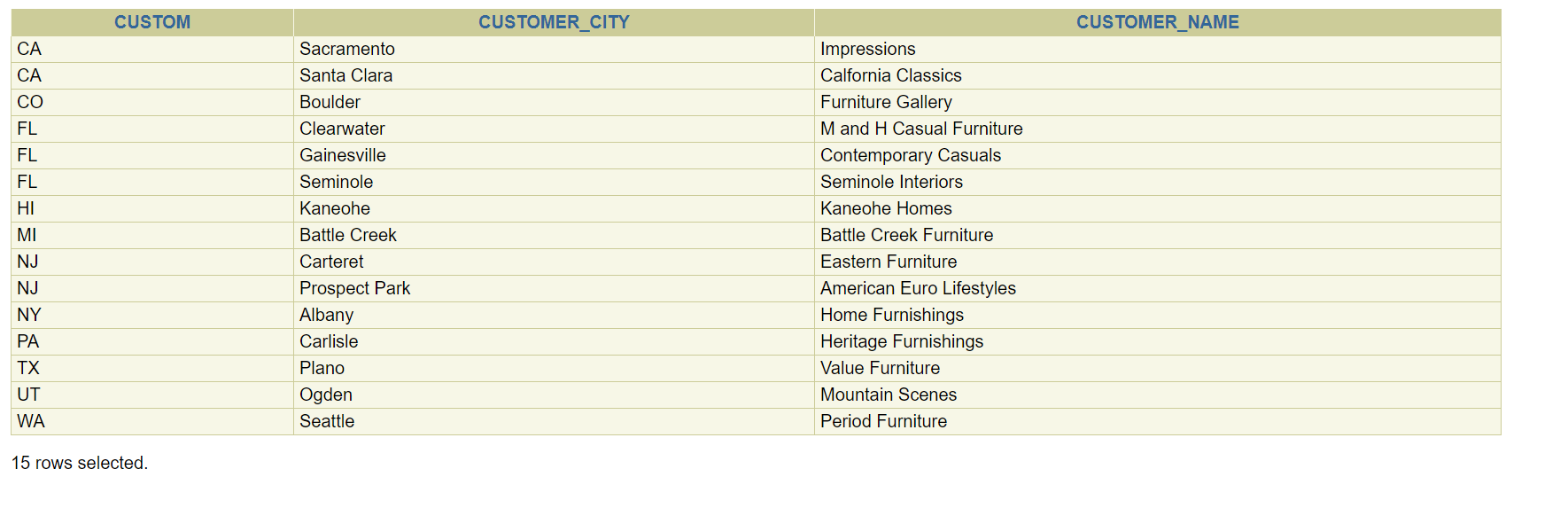


1. List customer states, cities, names by sorting their state, city and names in ascending order.

SELECT customer\_state, customer\_city, customer\_name

FROM customer\_t

ORDER BY customer\_state, customer\_city, customer\_name ASC;

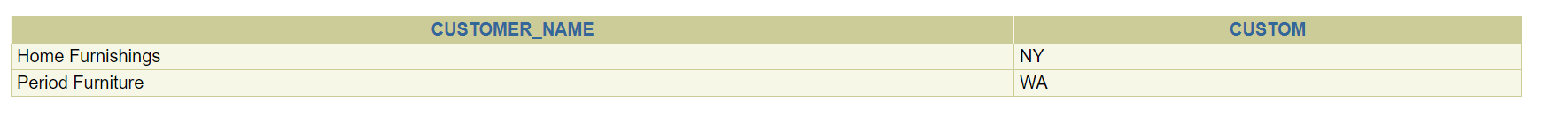


1. Retrieve the names of customers who are in New York and Washington states.

SELECT customer\_name, customer\_state

FROM customer\_t

WHERE customer\_state IN ('NY','WA');



1. List the states that have more than 2 customers the PVF company.

SELECT customer\_state, COUNT(customer\_id)

FROM customer\_t

GROUP BY customer\_state

HAVING COUNT(customer\_id) >2;



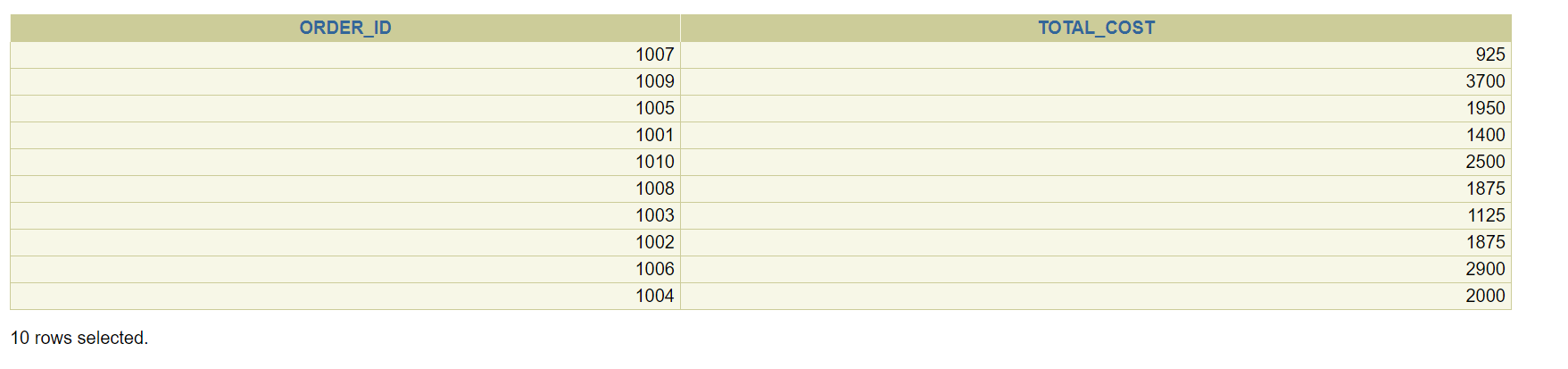
1. Display the total cost for each order that has been placed and rename the output columns.

SELECT order\_id, SUM(standard\_Price \* ordered\_quantity) AS Total\_Cost

FROM product\_t, order\_line\_t

WHERE product\_t.product\_id = order\_line\_t.product\_id

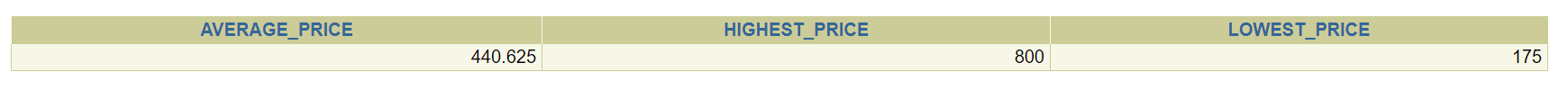
GROUP BY order\_id;



1. Retrieve the average, highest, and lowest price of products in the PVF company.

SELECT AVG(standard\_price) as Average\_Price, MAX(standard\_price) as Highest\_Price, MIN(standard\_price) as Lowest\_Price

FROM product\_t;

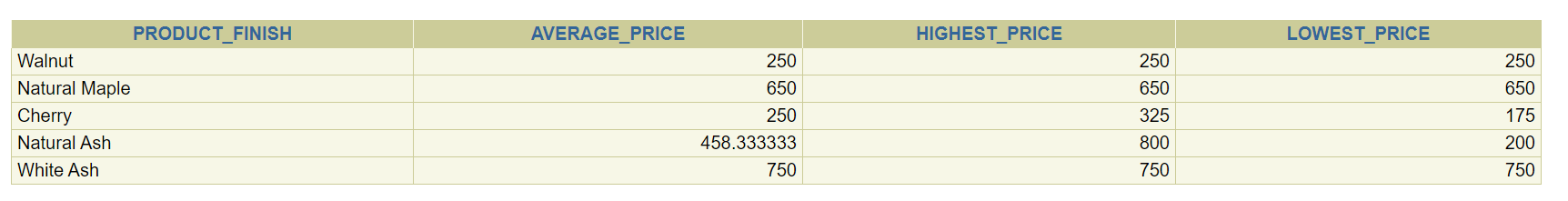


1. Retrieve the average, highest, and lowest price of each product finish.

SELECT product\_finish, AVG(standard\_price) as Average\_Price, MAX(standard\_price) as Highest\_Price, MIN(standard\_price) as Lowest\_Price

FROM product\_t

GROUP BY product\_finish;



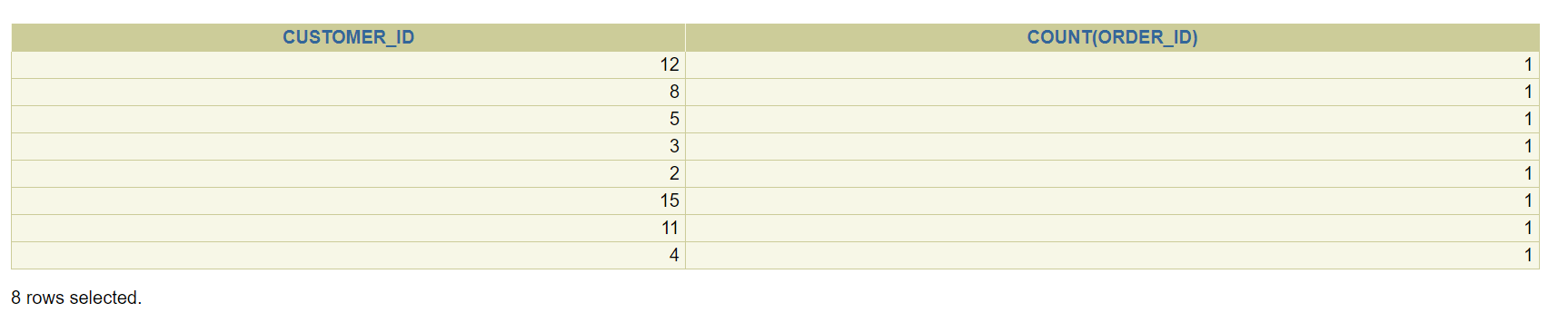
1. Display customer IDs who have made less than 2 orders.

SELECT customer\_id, COUNT(order\_id)

FROM order\_t

GROUP BY customer\_id

HAVING COUNT(order\_id) < 2 ;



1. Create a view for customer in California and Florida.

CREATE OR REPLACE VIEW CA\_FL\_Vu

AS SELECT customer\_name, customer\_state

FROM customer\_t

WHERE customer\_state IN ('CA', 'FL') ;



SELECT \* FROM CA\_FL\_Vu;

