

1. How many tables have been created? List the names of the created tables.

ORDERDETAILS
 PRODUCTLINES
 RETAILCUSTOMERS
 RETAILEMLOYEES
 RETAILOFFICES
 RETAILORDERS
 RETAILPAYMENTS
 RETAILPRODUCTS

2. Click on table **RETAILPRODUCTS**. Click on the Data tab near the top of the worksheet. How many rows are there in the table RETAILPRODUCTS?

110 rows

3. Can you try the following SQL statement and write down how many results were displayed. Was it different results for all 3?

3.1 SELECT * FROM RETAILPAYMENTS;

Oracle SQL Developer: DBS211

Connections: DBS211

Tables (Filtered): ORDERDETAILS, PRODUCTLINES, RETAILCUSTOMERS, RETAILEMPLOYEES, RETAILOFFICES, RETAILORDERS, RETAILPAYMENTS, RETAILPRODUCTS, PRODUCTCODE, PRODUCTNAME, PRODUCTLINE, RETAILPRODUCTSCALE, PRODUCTVENDOR, PRODUCTDESCRIPTION, QUANTITYINSTOCK, BUYPRICE, MSRP

Views: Indexes, Packages, Procedures, Functions, Operators, Queues, Queues Tables, Triggers, Types, Sequences, Materialized Views, Materialized View Logs, Synonyms, Public Synonyms, Database Links, Public Database Links, Directories

Worksheet: `SELECT * FROM RETAILPAYMENTS;`

Query Result: All Rows Fetched: 273 in 0.253 seconds

	CUSTOMERNUMBER	CHECKNUMBER	PAYMENTDATE	AMOUNT
1	103	HQ336336	19-OCT-04	6066.78
2	103	JM555205	05-JUN-03	14571.44
3	103	OM314933	18-DEC-04	1676.14
4	112	BO864823	17-DEC-04	14191.12
5	112	HQ55022	06-JUN-03	32641.98
6	112	ND748579	20-AUG-04	33347.88
7	114	GG31455	20-MAY-03	45864.03
8	114	MA765515	15-DEC-04	82261.22
9	114	NP603840	31-MAY-03	7565.08
10	114	NR27552	10-MAR-04	44894.74
11	119	DB933704	14-NOV-04	19501.82
12	119	LN373447	08-AUG-04	47924.19
13	119	NG94694	22-FEB-05	49523.67

273 rows

3.2 SELECT count(*) FROM RETAILPAYMENTS;

Oracle SQL Developer: DBS211

Connections: DBS211

Tables (Filtered): ORDERDETAILS, PRODUCTLINES, RETAILCUSTOMERS, RETAILEMPLOYEES, RETAILOFFICES, RETAILORDERS, RETAILPAYMENTS, RETAILPRODUCTS, PRODUCTCODE, PRODUCTNAME, PRODUCTLINE, RETAILPRODUCTSCALE, PRODUCTVENDOR, PRODUCTDESCRIPTION, QUANTITYINSTOCK, BUYPRICE, MSRP

Views: Indexes, Packages, Procedures, Functions, Operators, Queues, Queues Tables, Triggers, Types, Sequences, Materialized Views, Materialized View Logs, Synonyms, Public Synonyms, Database Links, Public Database Links, Directories

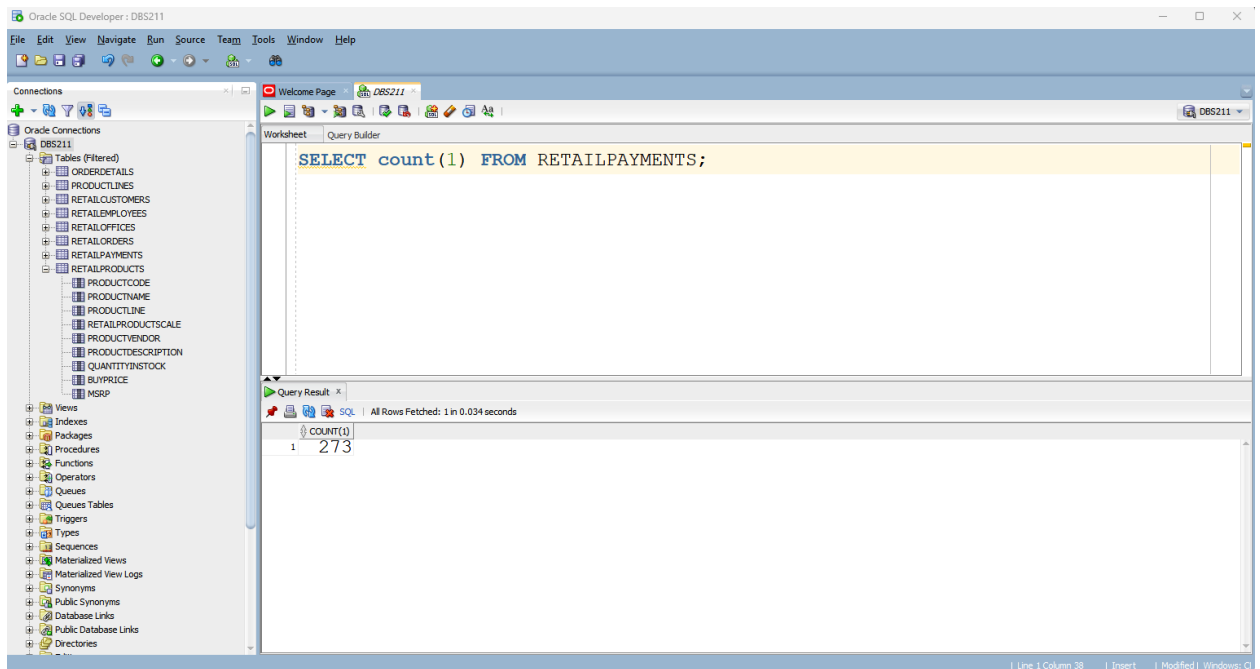
Worksheet: `SELECT count(*) FROM RETAILPAYMENTS;`

Query Result: All Rows Fetched: 1 in 0.032 seconds

	COUNT(*)
1	273

1 row

3.3 SELECT count(1) FROM RETAILPAYMENTS;



1 row

SELECT * FROM RETAILPAYMENTS; Only this sentence has different result.

4. How many columns does the RETAILOFFICES table have? List the column names.

OFFICECODE
CITY
PHONE
ADDRESSLINE1
ADDRESSLINE2
STATE
COUNTRY
POSTALCODE
TERRITORY

5. What is the value of PRODUCTNAME and PRODUCTLINE for **PRODUCTCODE S18_1129** in RETAILPRODUCTS table.

PRODUCTNAME: 1993 Mazda RX-7

PRODUCTLINE: Classic Cars

6. Write the number of rows and columns for REATILORDERS and ORDERDETAILS tables in the following format.

<u>Table Name</u>	<u>Rows</u>	<u>Columns</u>
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____ RETAILORDERS ____ 7 ____
 ORDERNUMBER, _ ORDERDATE, REQUIREDDATE, SHIPPEDDATE, STATUS, COMMENTS,
 CUSTOMERNUMBER ____
 ____ ORDERDETAILS ____ 5 ____ ORDERNUMBER ,
 PRODUCTCODE , QUANTITYORDERED , PRICEEACH, ORDERLINENUMBER ____

7. Right Click on the ORDERDETAILS table and choose tables/count rows. How many rows does the order details table include?

2996 Rows

8. Write the following SQL statement in a new SQL worksheet.

```
desc RETAILORDERS;
```

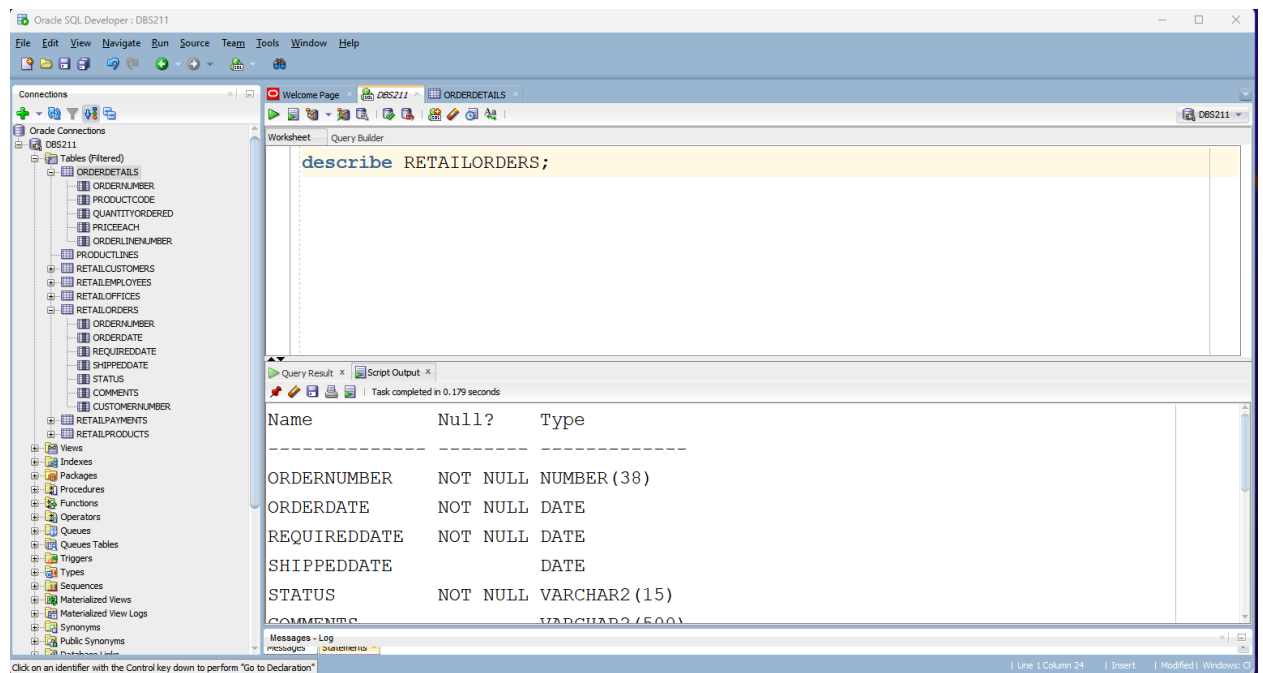
You can also write

```
describe RETAILORDERS;
```

What is the result of the statement execution? Take a snap shot of the results and display them

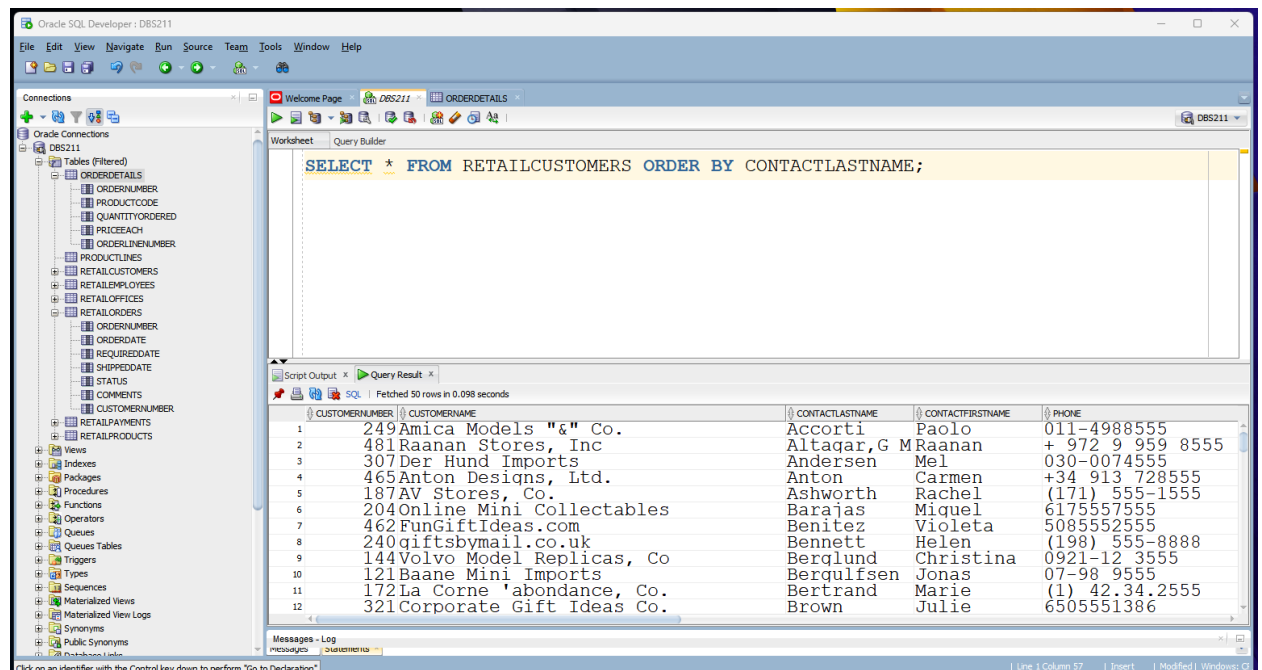
The screenshot shows the Oracle SQL Developer interface. The left pane displays the database schema with the 'RETAILORDERS' table selected. The main workspace shows the SQL statement 'desc RETAILORDERS;' entered. The bottom pane displays the query result, which is a table structure with columns: Name, Null?, and Type.

Name	Null?	Type
ORDERNUMBER	NOT NULL	NUMBER (38)
ORDERDATE	NOT NULL	DATE
REQUIREDDATE	NOT NULL	DATE
SHIPPEDDATE		DATE
STATUS	NOT NULL	VARCHAR2 (15)
COMMENTS		VARCHAR2 (500)



9. Type the following statements in, execute them, then briefly describe what the statement is doing!. Take a snap shot of the results and display them

```
SELECT * FROM RETAILCUSTOMERS ORDER BY CONTACTLASTNAME;
SELECT * FROM RETAILPAYMENTS ORDER BY PAYMENTDATE
DESC;
```



The screenshot shows the Oracle SQL Developer interface. The left pane displays the database schema for DBS211, including tables like ORDERDETAILS, ORDERNUMBER, PRODUCTCODE, QUANTITYORDERED, PRICEEACH, ORDERLINENUMBER, PRODUCTLINES, RETAILCUSTOMERS, RETAILEMPLLOYEES, RETAILOFFICES, RETAILORDERS, RETAILPAYMENTS, and RETAILPRODUCTS. The main window shows a query in the Worksheet:

```
SELECT * FROM RETAILPAYMENTS ORDER BY PAYMENTDATE DESC;
```

The Query Result pane displays the following data (rows 1 to 13):

	CUSTOMERNUMBER	CHECKNUMBER	PAYMENTDATE	AMOUNT
1	353	HJ618252	09-JUN-05	46656.94
2	242	HR224331	03-JUN-05	12432.32
3	496	EU531600	25-MAY-05	30253.75
4	323	AL493079	23-MAY-05	75020.13
5	233	BOFA23232	20-MAY-05	29070.38
6	141	DL460618	19-MAY-05	46895.48
7	175	CIT13434344	19-MAY-05	28500.78
8	398	JPMR4544	18-MAY-05	615.45
9	250	EQ12267	17-MAY-05	17928.09
10	452	HG635467	03-MAY-05	8807.12
11	209	BOAF82044	03-MAY-05	35157.75
12	276	OJ819725	30-APR-05	29848.52
13	406	B.TMPR4545	23-APR-05	12190.85

10. How many constraints does the RETAILPRODUCTS table have?

Answer 11