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CS130 Databases

Lab 8 Report

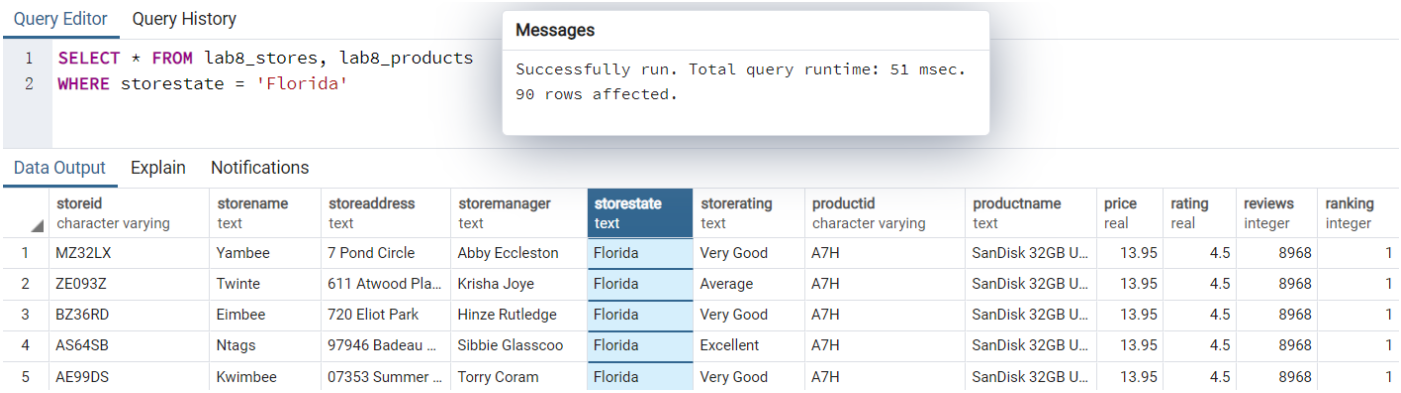
QUESTION 1: Write an SQL statement to list all of the stores and the products they sell where the store is based in the state of Florida. You are asked to supply the number of rows returned by this query.

SQL Language:

*SELECT * FROM lab8_stores, lab8_products*

WHERE storestate = 'Florida'

Running result: *90 rows affected.*



Query Editor | Query History

```
1  SELECT * FROM lab8_stores, lab8_products
2  WHERE storestate = 'Florida'
```

Messages

```
Successfully run. Total query runtime: 51 msec.
90 rows affected.
```

Data Output | Explain | Notifications

	storeid character varying	storename text	storeaddress text	storemanager text	storestate text	storerating text	productid character varying	productname text	price real	rating real	reviews integer	ranking integer
1	MZ32LX	Yambee	7 Pond Circle	Abby Eccleston	Florida	Very Good	A7H	SanDisk 32GB U...	13.95	4.5	8968	1
2	ZE093Z	Twinte	611 Atwood Pla...	Krisha Joye	Florida	Average	A7H	SanDisk 32GB U...	13.95	4.5	8968	1
3	BZ36RD	Eimbee	720 Eliot Park	Hinze Rutledge	Florida	Very Good	A7H	SanDisk 32GB U...	13.95	4.5	8968	1
4	AS64SB	Ntags	97946 Badeau ...	Sibbie Glasscoo	Florida	Excellent	A7H	SanDisk 32GB U...	13.95	4.5	8968	1
5	AE99DS	Kwimbee	07353 Summer ...	Torry Coram	Florida	Very Good	A7H	SanDisk 32GB U...	13.95	4.5	8968	1

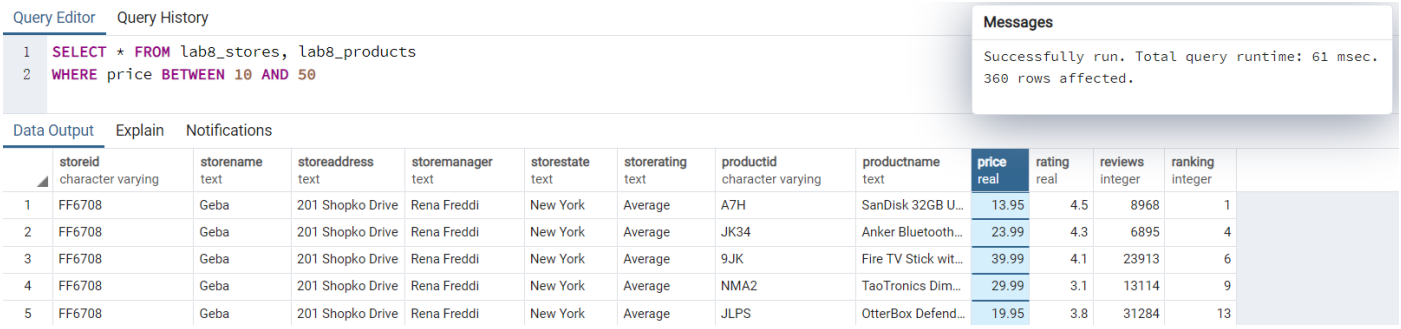
QUESTION 2: Write an SQL statement to list all of the stores and the products they sell where the store sells products with prices between 10 and 50 dollars inclusive.

SQL Language:

*SELECT * FROM lab8_stores, lab8_products*

WHERE price BETWEEN 10 AND 50

Running result: *360 rows affected*



Query Editor | Query History

```
1  SELECT * FROM lab8_stores, lab8_products
2  WHERE price BETWEEN 10 AND 50
```

Messages

```
Successfully run. Total query runtime: 61 msec.
360 rows affected.
```

Data Output | Explain | Notifications

	storeid character varying	storename text	storeaddress text	storemanager text	storestate text	storerating text	productid character varying	productname text	price real	rating real	reviews integer	ranking integer
1	FF6708	Geba	201 Shopko Drive	Rena Freddi	New York	Average	A7H	SanDisk 32GB U...	13.95	4.5	8968	1
2	FF6708	Geba	201 Shopko Drive	Rena Freddi	New York	Average	JK34	Anker Bluetooth...	23.99	4.3	6895	4
3	FF6708	Geba	201 Shopko Drive	Rena Freddi	New York	Average	9JK	Fire TV Stick wit...	39.99	4.1	23913	6
4	FF6708	Geba	201 Shopko Drive	Rena Freddi	New York	Average	NMA2	TaoTronics Dim...	29.99	3.1	13114	9
5	FF6708	Geba	201 Shopko Drive	Rena Freddi	New York	Average	JLPS	OtterBox Defend...	19.95	3.8	31284	13

QUESTION 3: Update the StoreID of the store with name 'Realpoint' to a new StoreID of CS130A '. You are asked to supply the TOTAL number of rows affected in the database by this update.

SQL Language:

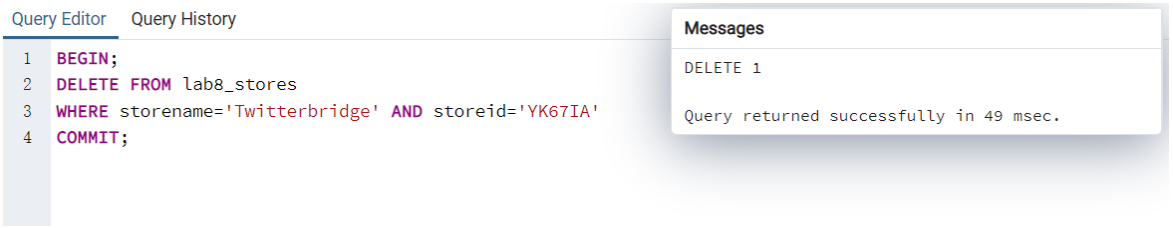
BEGIN;

UPDATE lab8_stores

SET storeid = 'CS130A'

WHERE storename = 'Realpoint';
*SELECT * FROM lab8_stores*
WHERE storename = 'Realpoint'
COMMIT;
Running result: *1 rows affected.*

QUESTION 4: The Store named Twitterbridge with StoreID YK67IA is ceasing trading. Delete this store from the database . You are asked to provide the TOTAL number of rows affected in the database by this deletion.
SQL Language:
BEGIN;
DELETE FROM lab8_stores
WHERE storename='Twitterbridge' AND storeid='YK67IA'
COMMIT;
Running result: *DELETE 1*



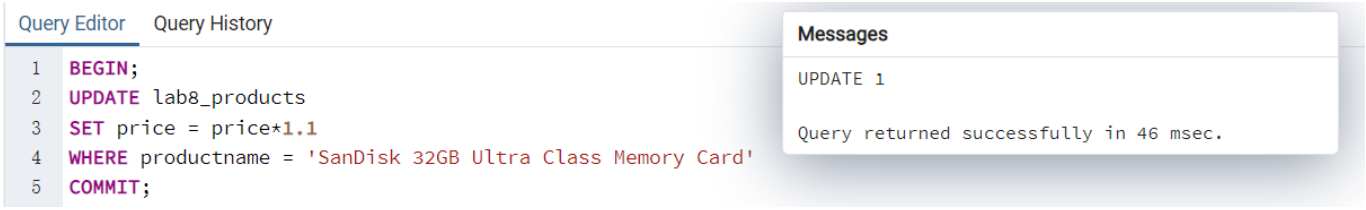
QUESTION 5: The current store manager of the store named 'Zoomdog' is being replaced by a new manager called Susan Reid. Write an SQL statement to perform this update to the database. You are asked to provide the TOTAL number of rows affected by this update.
SQL Language:
BEGIN;
UPDATE lab8_stores
SET storemanager = 'Susan Reid'
WHERE storename = 'Zoomdog';
*SELECT * FROM lab8_stores*
WHERE storename = 'Zoomdog';
COMMIT;
Running result: *1 rows affected*

QUESTION 6: The price of the product SanDisk 32GB Ultra Class Memory Card is being increased by 10% for sale at all stores. Write an SQL Statement to perform this update to the database. You are asked to provide the TOTAL Number of rows affected by this update statement.

SQL Language:

BEGIN;
UPDATE lab8_products
*SET price = price*1.1*
WHERE productname = 'SanDisk 32GB Ultra Class Memory Card'
COMMIT;

Running result: *UPDATE 1*

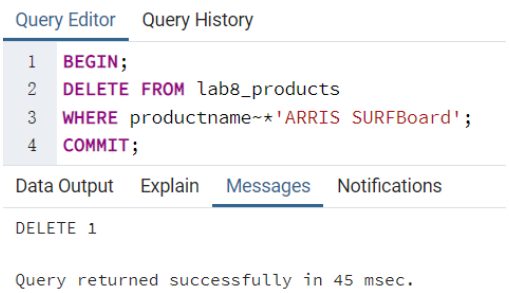


QUESTION 7: Write an SQL Statement to delete the product ' ARRIS SURFBoard '. You are asked to provide the total number of rows affected by this statement.

SQL Language:

BEGIN;
DELETE FROM lab8_products
WHERE productname~'ARRIS SURFBoard';*
COMMIT;

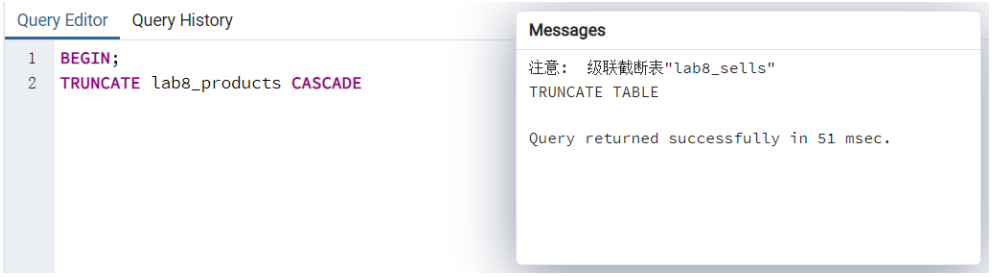
Running result: *1 rows returned*



QUESTION 8: Use a transaction block to test what happens when you TRUNCATE the Lab8_Products table.

SQL Language:

BEGIN;
TRUNCATE lab8_products CASCADE
Running result: *TRUNCATE TABLE*



QUESTION 9: Use a transaction block to test what happens when you DELETE the Lab8_Products table.
SQL Language:
BEGIN;
DELETE FROM lab8_products
Running result: *DELETE 18*