

Query 1 x TerpBuy

Limit to 1000 rows

```

1 • USE terpBuy;
2   -- Query#1 How many rows of data are stored for each table in the database? List the name of each table followed by the number of rows it has.
3 • SELECT TABLE_NAME AS tables_name, SUM(table_rows) AS total_rows FROM information_schema.TABLES
4   WHERE TABLE_SCHEMA = 'terpBuy'
5   GROUP BY tables_name;
6   /* vivek kumar - 12/7/2022 */
7
8

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

	tables_name	total_rows
▶	category	51
	customer	4487
	department	12
	order_line	4783
	orders	2152
	product	72

Query 1 x TerpBuy

Limit to 1000 rows

```

1 • USE terpBuy;
2   -- Question 2
3   /*Which products are considered high-priced products?
4   A high-priced product has a price exceeding $100.00. List the names and prices of the high-priced products. */
5 • SELECT product_name, product_price
6   FROM product
7   WHERE product_price > 100
8   ORDER BY product_price;
9   /* vivek kumar - 12/7/2022 */

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

	product_name	product_price
▶	Nike Mens CJ Elite 2 TD Football Cleat	129.99
	DVDs	164.38
	Pelican Sunstream 100 Kayak	199.99
	Mens gala suit	210.85
	Summer dresses	215.82
	Industrial CONSUMER electronics	252.88
	Rock music	260.65
	First aid kit	293.04
	Diamondback Womens Serene Classic Comfort Bi	299.98
	Smart watch	327.75
	Childrens heaters	357.10
	Field & Stream Sportsman 16 Gun Fire Safe	399.98
	Web Camera	452.04
	Porcelain crafts	461.48

product 1 x

Limit to 1000 rows

1 • USE terpBuy;
2 -- Question 3
3 /*List all orders placed by customers in the state of Florida.
4 Note:The state abbreviation for Florida is 'FL'.Include the customers' first names, last names, city, and segment, along with order ID and order date. */
5 • SELECT c.first_name, c.last_name, c.city, c.segment, o.order_id, o.order_date
6 FROM customer c
7 INNER JOIN orders o ON O.customer_id = c.customer_id
8 WHERE c.state = 'FL';
9 /* vivek kumar - 12/7/2022 */
10
11

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	first_name	last_name	city	segment	order_id	order_date
▶	Laura	Smith	Winter Park	CORPORATE	20366	2018-10-24
	Linda	Murray	Pompano Beach	CORPORATE	20428	2018-10-25
	Mary	Smith	Tallahassee	CORPORATE	20492	2018-10-26
	Mary	Morrison	Brandon	HOME_OFFICE	20745	2018-10-29
	Jose	Smith	Miami	CORPORATE	20877	2018-10-31
	Patricia	Smith	FortLauderdale	CORPORATE	21239	2018-11-06
	Mary	Harris	Miami	CORPORATE	21278	2018-11-06
	Mary	Weaver	Miami	CONSUMER	22082	2018-11-18
	Mary	Holmes	Pompano Beach	CONSUMER	22188	2018-11-19
	James	Trevino	Miami	CONSUMER	22219	2018-11-20
	Katherine	Rogers	Hollywood	CONSUMER	22337	2018-11-22
	Mary	Shah	Winter Park	HOME_OFFICE	22999	2018-12-01

Result 10

Read Only

Query 1 x TerpBuy

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1 • USE terpBuy;
2 -- Question 4
3 /*List all products that fall in one of the following categories: 'Computers', 'Toys', 'Tennis & Racquet'.
4 Include the products' names, category, department, and price. */
5 • SELECT p.product_name, c.category_name, d.department_name, p.product_price
6 FROM product p
7 INNER JOIN category c ON c.category_id = p.category_id
8 INNER JOIN department d ON d.department_id = p.department_id
9 WHERE c.category_name IN ('Computers', 'Toys', 'Tennis & Racquet');
10 /* vivek kumar - 12/7/2022 */
11
12

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	product_name	category_name	department_name	product_price
▶	Nike Mens Comfort 2 Slide	Tennis & Racquet	Fitness	44.99
	Dell Laptop	Computers	Technology	1500.00
	Toys	Toys	Fan Shop	11.54

Query 1 x TerpBuy

Limit to 1000 rows

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2  -- Question 5
3  /* TerpBuy is considering reducing its product offerings.
4   Which products have not yet been sold? Include the name, category, and department for each such product. */
5  • SELECT p.product_name, c.category_name, d.department_name, ol.quantity_sold
6     FROM order_line ol
7     INNER JOIN product p ON p.product_id = ol.product_id
8     INNER JOIN department d ON d.department_id = p.department_id
9     INNER JOIN category c ON c.category_id = p.category_id
10    WHERE ol.quantity_sold = 0;
11    /* vivek kumar - 12/9/2022 */
12

```

Result Grid

product_name	category_name	department_name	quantity_sold
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Result 1 x

Query 1 x TerpBuy

Limit to 2000 rows

```

1  • USE terpBuy;
2  /* Question 6 - List the names of all cities from where orders are shipped.
3   Also, for such cities, find the number of orders for which shipping was delayed.
4   Sort the list of cities in order from the highest to the least number of shipping orders. */
5  • select c.city, count(o.order_id) 'Number of Orders'
6     from customer c, orders o
7     where c.customer_id = o.customer_id and o.actual_shipping_days > o.scheduled_shipping_days
8     group by c.city
9     order by count(o.order_id) desc;
10    /* vivek kumar - 12/9/2022 */

```

Result Grid

city	Number of Orders
Caguas	461
Chicago	29
Brooklyn	26
Los Angeles	25
New York	12
Bronx	12
Aurora	10
Houston	9
Las Vegas	9
Philadelphia	8
San Antonio	8
El Paso	8
Fort Laude...	8

Result 7 x

Query 1 x TerpBuy

Limit to 1000 rows

```
1 • USE terpBuy;
2 -- Question 7
3 /*How many customers are there in each segment? Show the most popular segment at the top of the result. Incorporate a column alias in the result. */
4 • SELECT segment AS Type_of_customers, count(customer_id) AS Customers
5 FROM customer
6 GROUP BY SEGMENT;
7 /* vivek kumar - 12/10/2022 */
8
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

Type_of_customers	Customers
CONSUMER	2312
CORPORATE	1312
HOME_OFFICE	837

Result 18 x Read

Query 1 x TerpBuy

Limit to 2000 rows

```
1 • USE terpBuy;
2 /* Question 8
3 How many orders were placed in the first quarter of 2021? Note: A quarter consists of three months. Incorporate a column alias in the result.
4 You can refer to the documentation on date functions provided here.*/
5 • SELECT count(order_id) AS num_of_orders
6 FROM orders
7 WHERE order_date >= '2021-01-01' AND order_date <= '2021-03-01';
8 /* vivek kumar - 12/8/2022 */
9
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

num_of_orders
362

Result 6 x

Output

Query 1 x TerpBuy

Limit to 1000 rows

```

1 • USE terpBuy;
2 -- Question 9
3 /* List in alphabetical order all states supporting multiple customer segments. */
4 • SELECT state, count(segment) AS type_of_customer
5 FROM customer
6 GROUP BY STATE
7 ORDER BY STATE;
8 /* vivek kumar - 12/9/2022 */

```

Result Grid Filter Rows: Export: Wrap Cell Content:

state	type_of_customer
AR	3
AZ	72
CA	719
CO	39
CT	21
DC	11
DE	12
FL	131
GA	64
HI	29
IA	5
ID	3
IL	194
IN	12
KS	10
KY	12

orders 4 Result 5 x

Query 1 x TerpBuy

Limit to 2000 rows

```

1 • USE terpBuy;
2 /* Question 10
3 To help the commercial sales department with its marketing, find all customers in the corporate segment who have not placed any orders.
4 Include each customers' first name, last name, street, city, state, and zip code. Sort the results by the last name first and then by the first name.*
5 • select c.first_name, c.last_name, c.street, c.city, c.state, c.zipcode, c.segment
6 from customer c
7 where c.segment = 'CORPORATE' AND c.customer_id not in (select o.customer_id from orders o)
8 order by c.last_name, c.first_name;
9 /* vivek kumar - 12/9/2022 */

```

Result Grid Filter Rows: Export: Wrap Cell Content:

first_name	last_name	street	city	state	zipcode	segment
BlueOneal		9279 Quaking Key	Caguas	PR	00725	CORPORATE
Peter	Acosta	1761 Noble Barn Heath	Caguas	PR	00725	CORPORATE
Eliana	Adams	7592 Heather Circuit	Detroit	MI	48221	CORPORATE
Ryan	Adkins	1855 Silver Manor	East Brunswick	NJ	08816	CORPORATE
Sarah	Adkins	2264 Silent Freeway	Salt Lake City	UT	84119	CORPORATE
Ethan	Alexander	4155 Bright Deer Line	La Crosse	WI	54601	CORPORATE
Gregory	Allen	1906 Amber Dale	Morristown	NJ	07960	CORPORATE
Aphrodite	Alvarez	6179 Silver Alley	Caguas	PR	00725	CORPORATE
Mary	Anderson	6395 Colonial Berry Ledge	Caguas	PR	00725	CORPORATE
Samantha	Anderson	6715 Blue Run	San Jose	CA	95124	CORPORATE
Mary	Andrews	2912 Hidden Acres	Laredo	TX	78040	CORPORATE
Judy	Arnold	3836 Stony Point	Caguas	PR	00725	CORPORATE
Reagan	Avila	8987 Foggy Hill	Wayne	NJ	07470	CORPORATE
Kerry	Ayala	409 Tawny Range	Brooklyn	NY	11236	CORPORATE
Kevyn	Ayala	5516 Lazy Oak Path	Caguas	PR	00725	CORPORATE

customer 5 x

Read Or

Query 1 x TerpBuy

```

2  /* Question 11 - There has been a recall of the product Nike Mens Free 5.0+ Running Shoe.
3     TerpBuy would have to offer a discount coupon to all customers who purchased this product.
4     Find all orders that included this product as a part of the purchase.
5     For all such orders, list the customers' first names, last names, street, state, zip code, and order date.
6     Each customer can be offered only one discount coupon. Hence, do not list the same customer more than once. */
7  • SELECT c.first_name AS 'First name', c.last_name AS 'Last name', c.street,c.state,c.zipcode,o.order_date AS 'Order date', p.product_name AS 'product name'
8     FROM customer c, orders o, product p
9     WHERE c.customer_id = o.customer_id AND p.product_name = 'Nike Mens Free 5.0+ Running Shoe' ORDER BY c.customer_id;
10 /* vivek kumar - 12/11/2022 */

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

	First name	Last name	street	state	zipcode	Order date	product name
▶	Richard	Hernandez	6303 Heather Plaza	TX	78521	2018-11-30	Nike Mens Free 5.0+ Running Shoe
	Mary	Smith	9417 Emerald Towers	PR	00725	2019-03-18	Nike Mens Free 5.0+ Running Shoe
	Adam	Petersen	9768 Noble Horse Heights	VA	23503	2018-12-13	Nike Mens Free 5.0+ Running Shoe
	Juan	McKinney	7274 Blue Wagon Villas	PR	00725	2019-01-01	Nike Mens Free 5.0+ Running Shoe
	Mary	Smith	7358 Rocky Villas	CA	90805	2018-11-18	Nike Mens Free 5.0+ Running Shoe
	Mary	Smith	7358 Rocky Villas	CA	90805	2019-02-28	Nike Mens Free 5.0+ Running Shoe
	Mary	Herring	4575 Thunder Dale	PR	00725	2019-02-17	Nike Mens Free 5.0+ Running Shoe
	Howard	Smith	1356 Easy Plaza	CA	94558	2019-03-04	Nike Mens Free 5.0+ Running Shoe
	Mary	Simmons	5553 Cinder Harbour	CA	90042	2018-12-23	Nike Mens Free 5.0+ Running Shoe
	Shirley	Dalton	1021 Silver Log Cape	PR	00725	2019-02-25	Nike Mens Free 5.0+ Running Shoe
	Mary	Perez	5104 Iron Log Limits	PR	00725	2019-03-09	Nike Mens Free 5.0+ Running Shoe
	Mary	Williams	4501 Cinder Dell	CO	80020	2019-03-06	Nike Mens Free 5.0+ Running Shoe
	Mary	McMahon	1526 Broad Mountain Plaza	NY	11203	2019-02-09	Nike Mens Free 5.0+ Running Shoe
	Heather	Smith	814 Jagged Cape	FL	33055	2019-02-10	Nike Mens Free 5.0+ Running Shoe

Result 3 x Read O

Query 1 x TerpBuy

```

1  • USE terpBuy;
2  /* Question 12 - Premium customers are those customers who have placed orders with order amounts greater than the average order amount.
3     For each customer, find the first and last names, and the order amount for all orders that exceeded the average order amount. */
4  • select c.first_name as 'Fist Name', c.last_name as 'Last Name', total_price 'Order Amount'
5     from customer c, orders o , order_line l
6     where c.customer_id = o.customer_id
7     and o.order_id = l.order_id
8     and l.total_price > (select avg(a.total_price) from order_line a)
9     order by total_price;
10 /* vivek kumar - 12/11/2022 */

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	Fist Name	Last Name	Order Amount
▶	Ann	Smith	207.96
	Jeffrey	Whitney	207.96
	Cynthia	Smith	210.00
	Mary	Acevedo	210.00
	Hannah	Jennings	210.85
	Nichole	Holloway	210.85
	Erica	Robinson	210.85
	Constance	Austin	210.85
	Kimberly	Lopez	210.85
	Orli	Atkinson	210.85
	Tana	Austin	210.85
	Gillian	Baker	210.85
	Ursula	Andrade	210.85

Result 6 x