

Query #1

```
use terpbuy;

select 'category' as 'table name', count(*) as 'total rows' from category
union
select 'customer' as 'table name', count(*) as 'total rows' from customer
union
select 'department' as 'table name', count(*) as 'total rows' from department
union
select 'order_line' as 'table name', count(*) as 'total rows' from order_line
union
select 'orders' as 'table name', count(*) as 'total rows' from orders
union
select 'product' as 'table name', count(*) as 'total rows' from product;
```

```
1 • use terpbuy;
2 • select 'category' as 'table name', count(*) as 'total rows' from category
3   union
4   select 'customer' as 'table name', count(*) as 'total rows' from customer
5   union
6   select 'department' as 'table name', count(*) as 'total rows' from department
7   union
8   select 'order_line' as 'table name', count(*) as 'total rows' from order_line
9   union
10  select 'orders' as 'table name', count(*) as 'total rows' from orders
11  union
12  select 'product' as 'table name', count(*) as 'total rows' from product;
13  /*Pranjali Pujari - 12/12/2022*/
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	table name	total rows			
▶	category	51			
	customer	4461			
	department	12			
	order_line	4783			
	orders	2152			
	product	72			

Query #2

use terpbuy;

SELECT product_name,product_price

FROM terpbuy.product

where product_price > 100.00;

```
1 • use terpbuy;
2 • SELECT product_name,product_price
3   FROM terpbuy.product
4  where product_price > 100.00;
5   /*Pranjali Pujari - 12/12/2022/*
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	product_name	product_price			
▶	Nike Mens CJ Elite 2 TD Football Cleat	129.99			
	Diamondback Womens Serene Classic Comfort Bi	299.98			
	Field & Stream Sportsman 16 Gun Fire Safe	399.98			
	Pelican Sunstream 100 Kayak	199.99			
	Web Camera	452.04			
	Childrens heaters	357.10			
	Dell Laptop	1500.00			
	Industrial CONSUMER electronics	252.88			
	Porcelain crafts	461.48			
	DVDs	164.38			

Query #3

use terpbuy;

SELECT

customer.first_name,customer.last_name,customer.city,customer.segment,orders.order_id,orders.order_date

FROM terpbuy.customer

inner join orders

on customer.customer_id=orders.customer_id

where customer.state='FL';

```
1 • use terpbuy;
2 • SELECT customer.first_name,customer.last_name,customer.city,customer.segment,orders.order_id,orders.order_date
3   FROM terpbuy.customer
4  inner join orders
5   on customer.customer_id=orders.customer_id
6  where customer.state='FL';
7   /*Pranjali Pujari - 12/12/2022/*
```

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	Fort Lauderdale	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

Query #4

use terpbuy;

SELECT

product.product_name,category.category_name,department.department_name,product.product_price





FROM terpbuy.product

inner join category on product.category_id=category.category_id

inner join department on product.department_id=department.department_id

where category_name= 'Computers' or category_name='Toys' or category_name= 'Tennis & Racquet';

```
1 • use terpbuy;
2 • SELECT product.product_name,category.category_name,department.department_name,product.product_price
3 FROM terpbuy.product
4 inner join category on product.category_id=category.category_id
5 inner join department on product.department_id=department.department_id
6 where category_name= 'Computers' or category_name='Toys' or category_name= 'Tennis & Racquet';
7 /*Pranjali Pujari - 12/12/2022/*
```

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 #5

use terpbuy;

SELECT product.product_name, category.category_name, department.department_name

FROM terpbuy.product




inner join category on product.category_id=category.category_id

inner join department on product.department_id=department.department_id

inner join order_line on product.product_id=order_line.product_id

where order_line.quantity_sold = 0;

```
1 • use terpbuy;
2 • SELECT product.product_name, category.category_name, department.department_name
3 FROM terpbuy.product
4 inner join category on product.category_id=category.category_id
5 inner join department on product.department_id=department.department_id
6 inner join order_line on product.product_id=order_line.product_id
7 where order_line.quantity_sold = 0;
8 /*Pranjali Pujari - 12/12/2022/*
```

Result Grid		Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
product_name	category_name	department_name		

Query #6

use terpbuy;

SELECT order_city, count(order_city) as count_of_delay_orders

FROM terpbuy.orders

where scheduled_shipping_days < actual_shipping_days

group by order_city

order by count_of_delay_orders desc;

```
1 • use terpbuy;
2 • SELECT order_city, count(order_city) as count_of_delay_orders
3   FROM terpbuy.orders
4  where scheduled_shipping_days < actual_shipping_days
5   group by order_city
6  order by count_of_delay_orders desc;
7   /*Pranjali Pujari - 12/12/2022/*
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	order_city	count_of_delay_orders			
▶	Bangalore	51			
	Mumbai	45			
	Pune	41			
	Delhi	37			
	Chennai	32			
	Surat	31			
	Visakhapatnam	30			
	Hyderabad	29			
	Gorakhpur	27			
	Ajmer	26			

Query #7

use terpbuy;

SELECT segment, count(customer_id) as total_customer FROM terpbuy.customer

group by segment

order by total_customer desc;

```
1 • use terpbuy;
2 • SELECT segment, count(customer_id) as total_customer FROM terpbuy.customer
3   group by segment
4   order by total_customer desc;
5   /*Pranjali Pujari - 12/12/2022/*
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	segment	total_customer			
▶	CONSUMER	2312			
	CORPORATE	1312			
	HOME_OFFICE	837			

Query #8

use terpbuy;

SELECT count(order_id)as Total_Orders

FROM terpbuy.orders

where order_date between date('2021-01-01') and date('2021-03-31');

```
1 • use terpbuy;
2 • SELECT count(order_id)as Total_Orders
3   FROM terpbuy.orders
4  where order_date between date('2021-01-01') and date('2021-03-31');
5   /*Pranjali Pujari - 12/12/2022/*
```

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

	Total_Orders
▶	362

Query #9

use terpbuy;

SELECT state FROM (SELECT state,consumer,corporate,Home_office,

consumer+corporate+Home_office as total FROM (SELECT state,

if(SUM(if(segment= 'CONSUMER',1,0)) > 0 , 1, 0) as consumer,

if(SUM(if(segment= 'CORPORATE',1,0)) > 0 , 1, 0) as corporate,

if(SUM(if(segment= 'HOME_OFFICE',1,0)) > 0,1,0) as Home_office

FROM terpbuy.customer

group by state

order by state asc) x)y

where total >=2;

```
1 • use terpbuy;
2 • SELECT state FROM (SELECT state,consumer,corporate,Home_office, consumer+corporate+Home_office as total FROM (SELECT state,
3 if(SUM(if(segment= 'CONSUMER',1,0)) > 0 , 1, 0) as consumer,
4 if(SUM(if(segment= 'CORPORATE',1,0)) > 0 , 1, 0) as corporate,
5 if(SUM(if(segment= 'HOME_OFFICE',1,0)) > 0,1,0) as Home_office
6 FROM terpbuy.customer
7 group by state
8 order by state asc) x)y
9 where total >=2;
10 /*Pranjali Pujari - 12/12/2022/*
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
state			
AR			
AZ			
CA			
CO			
CT			
DC			
DE			
FL			
GA			
HI			
IA			
ID			
IL			
IN			
KS			
KY			

Query #10

```
use terpbuy;
```

```
SELECT last_name,first_name,street,city,state,zipcode
```

```
FROM terpbuy.customer
```

```
where segment = 'CORPORATE' and customer_id NOT IN (SELECT distinct customer_Id FROM  
terpbuy.orders order by customer_Id asc);
```

```
1 • use terpbuy;  
2 • SELECT last_name,first_name,street,city,state,zipcode  
3 FROM terpbuy.customer  
4 where segment = 'CORPORATE' and customer_id NOT IN (SELECT distinct customer_Id FROM terpbuy.orders order by customer_Id asc);  
5 /*Pranjali Pujari - 12/12/2022/*
```

Result Grid		Filter Rows:		Export:	Wrap Cell Content:	
	last_name	first_name	street	city	state	zipcode
▶	Smith	Megan	3047 Foggy Forest Plaza	Lawrence	MA	01841
	Smith	Tiffany	6651 Iron Port	Caguas	PR	00725
	Smith	Amy	151 Red Deer Landing	Dundalk	MD	21222
	Powers	Jose	3937 Sunny Common	Caguas	PR	00725
	Frazier	Mary	7126 Shady Bluff Promenade	Richardson	TX	75080
	Smith	Benjamin	8950 Thunder Fawn Farm	Jamaica	NY	11435
	Baker	Mary	1795 Dusty Hills Village	Santa Cruz	CA	95060
	Nguyen	Mary	3582 Quiet Cider Lane	Fullerton	CA	92833
	Smith	Phillip	4651 Dewy Village	Caguas	PR	00725
	Flores	Pamela	8248 Blue Corners	Caguas	PR	00725

Query #11

use terpbuy;

select c.first_name, c.last_name, c.street, c.state, c.zipcode, count(o.order_date)as order_date

from customer c

inner join orders o on o.customer_Id = c.customer_id

inner join order_line ol on ol.order_id = o.order_id

inner join product p on p.product_id = ol.product_id

where p.product_name = 'Nike Mens Free 5.0+ Running Shoe'

group by o.customer_Id;

```
1  use terpbuy;
2  •  select c.first_name, c.last_name, c.street, c.state, c.zipcode, count(o.order_date)as order_date
3  from customer c
4  inner join orders o on o.customer_Id = c.customer_id
5  inner join order_line ol on ol.order_id = o.order_id
6  inner join product p on p.product_id = ol.product_id
7  where p.product_name = 'Nike Mens Free 5.0+ Running Shoe'
8  group by o.customer_Id;
9  /*Pranjali Pujari - 12/12/2022/*
```

	first_name	last_name	street	state	zipcode	order_date
▶	Mary	Reynolds	4823 Broad Route	OR	97045	1
	Mary	Smith	3385 Cotton Wharf	CA	95051	1
	Wayne	Hardy	4132 Broad Gate Lane	TX	75150	1
	Nicholas	Smith	603 Green Sky Promenade	LA	70072	1
	Louis	Bishop	5192 Foggy Elk Village	PR	00725	1
	Jonathan	Costa	849 Noble Apple Private	CA	91402	1
	Mary	Smith	5340 Quaking Panda Forest	FL	32308	1
	Mary	Lloyd	6035 Foggy Link	PR	00725	1
	Justin	Smith	338 Heather Orchard	AZ	85029	1
	Virginia	Sanders	1801 Jagged Dale Park	TX	78704	1

Query #12

use terpbuy;

SELECT customer.first_name,customer.last_name,sum(total_price) as order_amount FROM
terpbuy.orders

inner join order_line on order_line.order_id = orders.order_id

inner join customer on orders.customer_Id = customer.customer_id

inner join product on order_line.product_id=product.product_id

group by orders.customer_Id

having order_amount > (SELECT avg(total_price) FROM terpbuy.order_line)

order by order_amount desc;

```
1 • use terpbuy;
2 • SELECT customer.first_name,customer.last_name,sum(total_price) as order_amount FROM terpbuy.orders
3   inner join order_line on order_line.order_id = orders.order_id
4   inner join customer on orders.customer_Id = customer.customer_id
5   inner join product on order_line.product_id=product.product_id
6   group by orders.customer_Id
7   having order_amount > (SELECT avg(total_price) FROM terpbuy.order_line)
8   order by order_amount desc;
9   /*Pranjali Pujari - 12/12/2022/*
```

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

	first_name	last_name	order_amount
▶	Mary	Gardner	2929.74
	Patricia	Smith	2489.72
	Mary	Huang	2188.82
	Patricia	Smith	2059.85
	Mary	Smith	2053.84
	Mary	Turner	2019.81
	Jacqueline	Shaw	1719.81
	James	Smith	1659.91
	Katherine	Smith	1659.78
	Ann	Smith	1657.87