

HEMAS

Filter objects

Stored Procedures

Functions

supply_db

sys

terpbuy

Tables

category

customer

department

order_line

orders

product

Views

Stored Procedures

Functions

Administration

Schemas

Table: category

Columns:

category_idint PKcategory_namevarchar(20)

Query 1

S3_Data

GQ_C1_Data

GQ_C1_Stub*

GQ_C2_Data

GQ_C2_Stub*

TerpBuy

Limit to 500 rows

```
1 -- Course Project: Terpbuy
2 use terpbuy;
3 -- Q.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.
4 SELECT *
5 from orders;
6
7
8
```

Result Grid

Filter Rows:

Edit

Export/Import:

Wrap Cell Content:

Fetch rows:

	order_id	payment_type	actual_shipping_days	scheduled_shipping_days	customer_id	order_city	order_date	order_region	order_state	order_status	shipping_mode
▶	20337	DEBIT	3	4	8838	Kolhapur	2018-10-23	South Asia	Maharashtra	ON_HOLD	Standard Class
	20338	INVOICE	4	4	5231	Kolhapur	2018-10-23	South Asia	Maharashtra	PENDING_PAYMENT	Standard Class
	20346	DEBIT	2	2	6365	Bareilly	2018-10-23	South Asia	Uttar Pradesh	COMPLETE	Second Class
	20361	TRANSFER	2	2	5217	Raipur	2018-10-24	South Asia	Rajasthan	PENDING	Second Class
	20363	TRANSFER	4	2	7667	Raipur	2018-10-24	South Asia	Rajasthan	PENDING	Second Class
	20364	DEBIT	5	2	12346	Raipur	2018-10-24	South Asia	Rajasthan	ON_HOLD	Second Class
	20365	INVOICE	6	2	8011	Raipur	2018-10-24	South Asia	Rajasthan	PENDING_PAYMENT	Second Class
	20366	TRANSFER	2	2	10746	Raipur	2018-10-24	South Asia	Rajasthan	PROCESSING	Second Class
	20368	DEBIT	4	4	2497	Varanasi	2018-10-24	South Asia	Uttar Pradesh	COMPLETE	Standard Class
	20380	DEBIT	6	4	6950	Kanpur	2018-10-24	South Asia	Uttar Pradesh	COMPLETE	Standard Class
	20381	DEBIT	2	4	716	Kanpur	2018-10-24	South Asia	Uttar Pradesh	COMPLETE	Standard Class
	20407	TRANSFER	3	2	8027	Chennai	2018-10-24	South Asia	Tamil Nadu	PROCESSING	Second Class
	20408	DEBIT	2	1	1523	Chennai	2018-10-24	South Asia	Tamil Nadu	ON_HOLD	First Class
	20424	DEBIT	5	4	4830	Bhavnagar	2018-10-25	South Asia	Gujarat	ON_HOLD	Standard Class
	20426	TRANSFER	2	4	8660	Imphal	2018-10-25	South Asia	Manipur	PENDING	Standard Class

orders 15 ×

Output

Apply

Revert

Local instance MySQL

File Edit View Query Database Server Tools Scripting Help

Navigator

HEMAS

Filter objects

Stored Procedures

Functions

supply_db

sys

terpbuy

Tables

category

customer

department

order_line

orders

product

Views

Stored Procedures

Functions

Query 1

S3_Data

GQ_C1_Data

GQ_C1_Stub*

GQ_C2_Data

GQ_C2_Stub*

TerpBuy

Limit to 500 rows

```
1  -- Course Project: Terpbuy
2  use terpbuy;
3  -- Q.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.
4  SELECT *
5  from product;
6
7
8
```

Administration

Schemas

Table: category

Columns:

category_id int PK

category_name varchar(20)

Result Grid

Filter Rows:

Edit

Export/Import

Wrap Cell Content

product_id	product_name	category_id	department_id	product_price
37	adidas Kids F5 Messi FG Soccer Cleat	3	2	34.99
44	adidas Mens F10 Messi TRX FG Soccer Cleat	3	2	59.99
93	Under Armour Mens Tech II T-Shirt	5	2	24.99
116	Nike Mens Comfort 2 Slide	6	2	44.99
134	Nike Womens Legend V-Neck T-Shirt	7	2	25.00
135	Nike Dri-FIT Crew Sock 6 Pack	7	2	22.00
172	Nike Womens Tempo Shorts	9	3	30.00
191	Nike Mens Free 5.0+ Running Shoe	9	3	99.99
235	Under Armour Hustle Storm Medium Duffle Bag	11	3	34.99
249	Under Armour Womens Micro G Skulpt Running S	12	3	54.97
273	Under Armour Kids Mercenary Slide	13	3	27.99
276	Under Armour Womens Ignite Slide	13	3	31.99
278	Under Armour Mens Compression EV SL Slide	13	3	44.99
282	Under Armour Womens Ignite PIP VI Slide	13	3	31.99
365	Perfect Fitness Perfect Rip Deck	17	4	59.99

product 16 x

Apply

Rever

Output

```
Columns:
category_id    int PK
category_name  varchar(20)
```

```
1 -- Course Project: Terpbuy
2 • use terpbuy;
3 -- Q.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.
4 • SELECT *
5   from customer;
6
7
8
9
```

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

	customer_id	city	first_name	last_name	segment	state	street	zipcode
▶	1	Brownsville	Richard	Hernandez	CONSUMER	TX	6303 Heather Plaza	78521
	8	Lawrence	Megan	Smith	CORPORATE	MA	3047 Foggy Forest Plaza	01841
	16	Caguas	Tiffany	Smith	CORPORATE	PR	6651 Iron Port	00725
	17	Taylor	Mary	Robinson	CONSUMER	MI	1325 Noble Pike	48180
	20	West New York	Mary	Ellis	CONSUMER	NJ	4703 Old Route	07093
	24	Caguas	Mary	Smith	HOME_OFFICE	PR	9417 Emerald Towers	00725
	27	Caguas	Mary	Vincent	CONSUMER	PR	1768 Sleepy Zephyr Place	00725
	31	Albuquerque	Mary	Byrd	CONSUMER	NM	8259 Foggy Edge	87111
	33	Norfolk	Adam	Petersen	CONSUMER	VA	9768 Noble Horse Heights	23503
	37	Norfolk	Virginia	Conrad	CONSUMER	VA	6115 Indian Beacon Close	23503
	39	Caguas	Juan	Mckinney	CONSUMER	PR	7274 Blue Wagon Villas	00725
	40	Long Beach	Mary	Smith	CONSUMER	CA	7358 Rocky Villas	90805
	41	Brooklyn	Victoria	Mason	CONSUMER	NY	7869 Crystal View Villas	11230
	43	Caguas	Mary	Herring	CORPORATE	PR	4575 Thunder Dale	00725
	44	Napa	Howard	Smith	CORPORATE	CA	1356 Easy Plaza	94558

customer 12 x

Apply

Revert

Output

Action Output

Session

Query 1	S3_Data	GQ_C1_Data	GQ_C1_Stub*	GQ_C2_Data	GQ_C2_Stub*	TerpBuy
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Filter objects

▼ Tables

- category
- customer
- department
- order_line
- orders
- product
 - Columns
 - product_id
 - product_name
 - category_id
 - department_id
 - product price

- ▶ Indexes
- ▶ Foreign Keys
- ▶ Triggers

Administration


formation

Table: category

Columns:

<u>category_id</u>	int PK
category_name	varchar(20)

```
1  -- Course Project: Terpbuy
2  • use terpbuy;
3  -- Q.2 Which products are considered high-priced products? A high-priced product has a price exceeding $100.00. List the names and prices of the high-priced products.
4  • SELECT product_name, product_price
5     FROM product
6    WHERE product_price > 100.00;
7
8
9
```

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
	Lawn mower	532.58
	First aid kit	293.04
	Mens gala suit	210.85
	Rock music	260.65
	Smart watch	327.75
	Summer dresses	215.82

product 18 x

Result Grid
Form Editor
Field Types
Query Stats

Query 1	S3_Data	GQ_C1_Data	GQ_C1_Stub*	GQ_C2_Data	GQ_C2_Stub*	TerpBuy
---------	---------	------------	-------------	------------	-------------	---------


```
1  -- Course Project: Terpbuy
2  • use terpbuy;
3  -- Q.3 List all orders placed by customers in the state of Florida. Note:
4  -- The state abbreviation for Florida is 'FL'. Include the customers' first names, last names, city, and segment, along with the order ID and order date.
5
6  • SELECT c.first_name, c.last_name, c.city, c.segment, o.order_id, o.order_date
7     FROM customer c
8     JOIN orders o ON c.customer_id = o.customer_id
9     WHERE c.state = 'FL';
10
11
12
```

Information :

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
	Katherine	Rogers	Hollywood	CONSUMER	22337	2018-11-22
	Mary	Shah	Winter Park	HOME_OFFICE	22999	2018-12-01
	Marv	Smith	Hollywood	CONSUMER	23000	2018-12-01

Result 19 x

Read Only

Output

Action Output

#	Time	Action
---	------	--------

Message

Duration / Fetch

Table: customer

Columns:

customer_id	int PK
city	varchar(25)
first_name	varchar(15)
last_name	varchar(15)
segment	varchar(15)
state	varchar(2)
street	varchar(40)
zipcode	varchar(5)

Information :

Columns:

customer_id	int PK
city	varchar(25)
first_name	varchar(15)
last_name	varchar(15)
segment	varchar(15)
state	varchar(2)
street	varchar(40)
zipcode	varchar(5)

Result 22 x

Session

```
1 -- Course Project: Terpbuy
2 • use terpbuy;
3 -- Q.4 List all products that fall in one of the following categories:
4 -- 'Computers', 'Toys', 'Tennis & Racquet'. Include the products' names, category, department, and price.
5
6 • SELECT p.product_name, p.category_id, p.department_id, p.product_price, c.category_name
7 FROM product p, category c
8 WHERE c.category_name IN ('Computers', 'Toys', 'Tennis & Racquet');
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	product_name	category_id	department_id	product_price	category_name
▶	adidas Kids F5 Messi FG Soccer Cleat	3	2	34.99	Toys
	adidas Kids F5 Messi FG Soccer Cleat	3	2	34.99	Computers
	adidas Kids F5 Messi FG Soccer Cleat	3	2	34.99	Tennis & Racquet
	adidas Mens F10 Messi TRX FG Soccer Cleat	3	2	59.99	Toys
	adidas Mens F10 Messi TRX FG Soccer Cleat	3	2	59.99	Computers
	adidas Mens F10 Messi TRX FG Soccer Cleat	3	2	59.99	Tennis & Racquet
	Under Armour Mens Tech II T-Shirt	5	2	24.99	Toys
	Under Armour Mens Tech II T-Shirt	5	2	24.99	Computers
	Under Armour Mens Tech II T-Shirt	5	2	24.99	Tennis & Racquet
	Nike Mens Comfort 2 Slide	6	2	44.99	Toys
	Nike Mens Comfort 2 Slide	6	2	44.99	Computers
	Nike Mens Comfort 2 Slide	6	2	44.99	Tennis & Racquet

Result 22 ✕

Output ::

 Action Output

#	Time	Action	Message
---	------	--------	---------

Duration / Fetch

Read Only

Result
Grid

Form
Editor

Field Types

- ▶ Indexes
- ▶ Foreign Keys
- ▶ Triggers

Administration Schemas

Information

Columns:

<u>order_id</u>	int PK
payment_type	varchar
actual_shipping_days	int
scheduled_shipping_days	int
customer_Id	int
order_city	varchar
order_date	date
order_region	varchar
order_state	varchar
order_status	varchar
shipping mode	varchar

```
int Pk
varch
int
int
int
varch
date
varch
varch
varch
```


```

1  -- Course Project: Terpbuy
2  ● use terpbuy;
3  -- Q.6) List the names of all cities from where orders are shipped. 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 o.order_city,
6      sum( o.order_status = 'Delayed') as Delayed_orders_count
7  FROM orders o
8  WHERE o.order_city IS NOT NULL
9  GROUP BY o.order_city
10 ORDER BY Delayed_orders_count DESC;
11
12

```

Result Grid Filter Rows: Export: Wrap Cell Content:

	order_city	Delayed_orders_count
►	Kolhapur	0
	Bareilly	0
	Raipur	0
	Varanasi	0
	Kanpur	0
	Chennai	0
	Bhavnagar	0
	Imphal	0
	Bardhaman	0
	Warangal	0
	Kamarhati	0

Result 27 

Read Only

Output

Action Output

Object Info Session

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Limit to 500 rows

Navigation

Filter objects

Stored Procedures

Functions

supply_db

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terpbuy

Tables

category

customer

Columns

customer_id

city

first_name

last_name

segment

state

street

zipcode

Administration

Schemas

Query 1

S3_Data

GQ_C1_Data

GQ_C1_Stub*

GQ_C2_Data

GQ_C2_Stub*

TerpBuy

1

-- Course Project: Terpbuy

2

• use terpbuy;

3

-- Q.7) 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

5

• SELECT segment AS segment_name,

6

COUNT(*) AS customer_count

7

FROM customer

8

GROUP BY segment

9

ORDER BY customer_count DESC;

10

11

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	segment_name	customer_count
▶	CONSUMER	2312
	CORPORATE	1312
	HOME_OFFICE	837

Table: customer

Columns:

customer_id

city

first_name

last_name

segment

state

street

zipcode

int PK

varchar(25)

varchar(15)

varchar(15)

varchar(15)

varchar(2)

varchar(40)

varchar(5)

Result 28

Output

Action Output

Result Grid

Form Editor

Field Types

Read Only



Navigator

SCHEMAS

Filter objects

- Views
- Stored Procedures
- Functions
- supply_db
- sys
- terpbuy
 - Tables
 - category
 - customer
 - Columns
 - customer_id
 - city
 - first_name
 - last_name
 - segment

Administration Schemas

Information

Table: customer

Columns:

customer_id	int PK
city	varchar(25)
first_name	varchar(15)
last_name	varchar(15)
segment	varchar(15)
state	varchar(2)
street	varchar(40)
zipcode	varchar(5)

Query 1 S3_Data GQ_C1_Data GQ_C1_Stub* GQ_C2_Data GQ_C2_Stub* TerpBuy

Limit to 500 rows

```
1  -- Course Project: Terpbuy
2  • use terpbuy;
3  -- Q.10) 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
6  • SELECT c.first_name,
7         c.last_name,
8         c.street,
9         c.city,
10        c.state,
11        c.zipcode
12  FROM customer c
13  LEFT JOIN orders o ON c.customer_id = o.customer_id
14  WHERE c.segment = 'Corporate'
15         AND o.order_id IS NULL
16  ORDER BY c.last_name, c.first_name;
17
18
19
```

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

	first_name	last_name	street	city	state	zipcode
▶	BlueOneal		9279 Quaking Key	Caguas	PR	00725
	Peter	Acosta	1761 Noble Barn Heath	Caguas	PR	00725
	Eliana	Adams	7592 Heather Circuit	Detroit	MI	48221
	Ryan	Adkins	1855 Silver Manor	East Brunswick	NJ	08816
	Sarah	Adkins	2264 Silent Freeway	Salt Lake City	UT	84119
	Ethan	Alexander	4155 Bright Deer Line	La Crosse	WI	54601
	Gregory	Allen	1906 Amber Dale	Morristown	NJ	07960
	Aphrodite	Alvarez	6179 Silver Alley	Caguas	PR	00725
	Mary	Anderson	6395 Colonial Berry Ledge	Caguas	PR	00725

Result 31 x

Table: order line

Columns:

<u>order_line_id</u>	int PK
order_id	int
product_id	int
quantity_sold	int
total_price	decimal(7,2)

Query 1 x S3_Data GQ_C1_Data GQ_C1_Stub* GQ_C2_Data GQ_C2_Stub* TerpBuy


```

1  -- Course Project: Terpbuy
2  ● use terpbuy;
3  -- Q.11) Premium customers are those customers who have placed orders with order amounts greater than the average order amount.
4  -- For each customer, find the first and last names, and the order amount for all orders that exceeded the average order amount.
5
6  ● SELECT c.first_name,
7         c.last_name,
8         ol.total_price
9  FROM customer c
10 JOIN orders o ON c.customer_id = o.customer_id
11 JOIN order_line ol on o.order_id=ol.order_id
12 WHERE ol.total_price>(
13     SELECT AVG(total_price)
14     FROM order_line
15 )
16 ORDER BY c.last name, c.first name, ol.total price;

```

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

	first_name	last_name	total_price
▶	Huff		215.82
	Deborah	Abbott	260.65
	Indigo	Abbott	461.48
	Lesley	Abbott	532.58
	Mary	Acevedo	210.00
	Mary	Acevedo	399.98
	Mary	Adams	299.95

Result 32 

Output :-

Action Output

#	Time	Action	Message	Duration / Fetch
95	10:42:13	SELECT DISTINCT c.first_name, c.last_name, c.street, c.state, c...	Error Code: 1146. Table 'terpbuy.customers' doesn't exist	0.000 sec
96	10:42:45	SELECT DISTINCT c.first_name, c.last_name, c.street, c.state, c...	Error Code: 1054. Unknown column 'c.zip_code' in 'field list'	0.000 sec