





product_info			
	product_id	int	
	product	varchar(50)	
	color	varchar(15)	
	cost	decimal(4,2)	
 Add field			

store_inventory			
	product_id	int	
	store_id	int	
	inventory	int	
 Add field			

store_info			
	store_id	int	
	address	varchar(50)	
	phone	varchar(10)	
 Add field			



Quick connect...

- User sessions
- > DigitalOcean
 - > Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

2. mysql

```
mysql> CREATE DATABASE pencil_store;  
Query OK, 1 row affected (0.01 sec)
```

```
mysql> USE pencil_store;  
Database changed  
mysql> █
```

Create database

mysql

TerminalSessionsViewX serverToolsGamesSettingsMacrosHelp

SessionServersToolsGamesSessionsViewSplitMultiExecTunnelingPackagesSettingsHelp

X serverExit

Quick connect...

User sessions

DigitalOcean

Virtual Box

ec2-1

ec2-2

mysql

Ubuntu1

Ubuntu-slave1

Ubuntu-slave2

2. mysql

mysql> CREATE TABLE product_info
-> (
-> product_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
-> product VARCHAR(50) NOT NULL,
-> color VARCHAR(15) NOT NULL,
-> cost DECIMAL(4,2) NOT NULL
->);
Query OK, 0 rows affected (0.05 sec)

mysql> DESC product_info;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
product_id	int	NO	PRI	NULL	auto_increment
product	varchar(50)	NO		NULL	
color	varchar(15)	NO		NULL	
cost	decimal(4,2)	NO		NULL	
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>

ip-172-31-41-20

1%

0,67 GB / 0,94 GB

0,01 Mb/s

0,00 Mb/s

59 min

ubuntu

/: 42%

/boot/efi: 5%

Create Table1

Quick connect...

- User sessions
- DigitalOcean
 - Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

2. mysql

```
mysql> CREATE TABLE store_info ( store_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, address VARCHAR(50) NOT NULL, phone VARCHAR(10) NOT NULL );
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> DESC store_info;
```

Field	Type	Null	Key	Default	Extra
store_id	int	NO	PRI	NULL	auto_increment
address	varchar(50)	NO		NULL	
phone	varchar(10)	NO		NULL	

```
3 rows in set (0.00 sec)
```

```
mysql>
```

Create Table2

Quick connect...

- User sessions
- > DigitalOcean
 - > Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

2. mysql

```
mysql> CREATE TABLE store_inventory
→ (
→ product_id INT NOT NULL,
→ store_id INT NOT NULL,
→ inventory INT NOT NULL,
→ FOREIGN KEY (product_id) REFERENCES product_info (product_id),
→ FOREIGN KEY (store_id) REFERENCES store_info (store_id)
→ );
Query OK, 0 rows affected (0.05 sec)

mysql> DESC store_inventory;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| product_id | int | NO | MUL | NULL |
| store_id | int | NO | MUL | NULL |
| inventory | int | NO | | NULL |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

Create Table3

User sessions

Quick connect...

- User sessions
- > DigitalOcean
 - > Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

2. mysql

mysql> SELECT * FROM product_info;

product_id	product	color	cost
1	pencil	yellow	3.52
2	pencil	red	3.52
3	pencil	green	3.52
4	pen	black	4.01
5	pen	red	4.01

5 rows in set (0.00 sec)

mysql> SELECT * FROM store_info;

store_id	address	phone
1	Stepana Tilhy, 67	684067659
2	Sobornosti, 50	684067650
3	Saharova, 1	684067651

3 rows in set (0.00 sec)

mysql> SELECT * FROM store_inventory;

product_id	store_id	inventory
1	2	24
2	1	15
3	3	12
4	2	55
5	1	37

5 rows in set (0.00 sec)

mysql> █

Filled Tables

mysql

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...

User sessions

- DigitalOcean
- Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

2. mysql

```
mysql> SELECT * FROM product_info WHERE product = 'pencil';
```

product_id	product	color	cost
1	pencil	yellow	3.52
2	pencil	red	3.52
3	pencil	green	3.52

3 rows in set (0.01 sec)

```
mysql>
```

using WHERE

ip-172-31-41-20 0% 0,67 GB / 0,94 GB 0,01 Mb/s 0,00 Mb/s 119 min ubuntu /: 42% /boot/efi: 5%

Quick connect...

- User sessions
- > DigitalOcean
 - > Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

2. mysql

mysql> SELECT product FROM product_info GROUP BY product;

product
pencil
pen

2 rows in set (0.00 sec)

mysql> SELECT product FROM product_info ORDER BY cost;

product
pencil
pencil
pencil
pen
pen

5 rows in set (0.00 sec)

mysql> SELECT product, color, cost FROM product_info ORDER BY cost;

product	color	cost
pencil	yellow	3.52
pencil	red	3.52
pencil	green	3.52
pen	black	4.01
pen	red	4.01

5 rows in set (0.00 sec)

mysql> █

Using GROUP BY and ORDER BY

Quick connect...

- User sessions
- > DigitalOcean
 - > Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

2. mysql

```
mysql> CREATE TABLE 4th_table
  → (column_1 INT,
  → column_2 INT);
Query OK, 0 rows affected (0.02 sec)

mysql> DROP TABLE 4th_table;
Query OK, 0 rows affected (0.02 sec)

mysql> SHOW TABLES;
+-----+
| Tables_in_pencil_store |
+-----+
| product_info           |
| store_info             |
| store_inventory        |
+-----+
3 rows in set (0.00 sec)

mysql> █
```

Using DROP

Quick connect...

- User sessions
- > DigitalOcean
 - > Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

2. mysql

```
mysql> ALTER TABLE store_inventory
  → ADD COLUMN city VARCHAR (20);
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> DESC store_inventory;
```

Field	Type	Null	Key	Default	Extra
product_id	int	NO	MUL	NULL	
store_id	int	NO	MUL	NULL	
inventory	int	NO		NULL	
city	varchar(20)	YES		NULL	

4 rows in set (0.01 sec)

```
mysql> █
```

Using ALTER and ADD

Quick connect...

- User sessions
- > DigitalOcean
 - > Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

2. mysql

```
mysql> ALTER TABLE store_inventory
    → RENAME COLUMN city TO country;
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> DESC store_inventory;
```

Field	Type	Null	Key	Default	Extra
product_id	int	NO	MUL	NULL	
store_id	int	NO	MUL	NULL	
inventory	int	NO		NULL	
country	varchar(20)	YES		NULL	

4 rows in set (0.00 sec)

```
mysql> █
```

Using RENAME

Quick connect...

- User sessions
- > DigitalOcean
 - > Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

2. mysql

```
mysql> UPDATE store_inventory
      → SET inventory = 5
      → WHERE product_id = 1;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

Using UPDATE

```
mysql> SELECT * FROM store_inventory;
+-----+-----+-----+-----+
| product_id | store_id | inventory | country |
+-----+-----+-----+-----+
|          1 |          2 |          5 | NULL    |
|          2 |          1 |         15 | NULL    |
|          3 |          3 |         12 | NULL    |
|          4 |          2 |         55 | NULL    |
|          5 |          1 |         37 | NULL    |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> █
```

Quick connect...

- User sessions
- > DigitalOcean
 - > Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

2. mysql

```
mysql> DELETE FROM store_inventory WHERE product_id = 5;  
Query OK, 1 row affected (0.01 sec)
```

```
mysql> SELECT * FROM store_inventory;
```

product_id	store_id	inventory
1	2	5
2	1	15
3	3	12
4	2	55

```
4 rows in set (0.00 sec)
```

```
mysql> █
```

Using DELETE

mysql

TerminalSessionsViewX serverToolsGamesSettingsMacrosHelp

SessionServersToolsGamesSessionsViewSplitMultiExecTunnelingPackagesSettingsHelp

X serverExit

Quick connect...

3. mysql

Star

home/ubuntu/

Name

..

backup

172.31.41.20

apache_logs.txt

example_log.log

scanner-ng.sh

script_1.sh

script_2.sh

script_3.sh

Remote monitoring

Follow terminal folder

| performance_schema |

| sys |

+-----+

6 rows in set (0.00 sec)

mysql> USE pencil_store

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

mysql> SHOW TABLES

→ ;

+-----+

| Tables_in_pencil_store |

+-----+

| product_info |

| store_info |

| store_inventory |

+-----+

3 rows in set (0.00 sec)

mysql> SELECT p.product, p.color, s.inventory

→ FROM product_info p

→ INNER JOIN store_inventory s

→ ON p.product_id = s.product_id;

+-----+-----+

| product | color | inventory |

+-----+-----+

| pencil | yellow | 5 |

| pencil | red | 15 |

| pencil | green | 12 |

| pen | black | 55 |

+-----+-----+

4 rows in set (0.00 sec)

mysql>

ip-172-31-41-20

0%

0,65 GB / 0,94 GB

0,01 Mb/s

0,00 Mb/s

289 sec

ubuntu

/: 42%

/boot/efi: 5%

Using INNER JOIN

Quick connect...

3. mysql

- User sessions
 - DigitalOcean
 - Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

```
mysql> GRANT SELECT on pencil_store.* TO 'select'@'localhost';
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> exit
```

```
Bye
```

```
ubuntu@ip-172-31-41-20:~$ mysql -u select -p
```

```
Enter password:
```

```
Welcome to the MySQL monitor. Commands end with ; or \g.
```

```
Your MySQL connection id is 13
```

```
Server version: 8.0.30-0ubuntu0.22.04.1 (Ubuntu)
```

```
Copyright (c) 2000, 2022, Oracle and/or its affiliates.
```

```
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affiliates. Other names may be trademarks of their respective
owners.
```

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

```
mysql> USE pencil_store
```

```
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
```

```
Database changed
```

```
mysql> SELECT * FROM product_info;
```

	product_id	product	color	cost
1	1	pencil	yellow	3.52
2	2	pencil	red	3.52
3	3	pencil	green	3.52
4	4	pen	black	4.01
5	5	pen	red	4.01

```
5 rows in set (0.00 sec)
```

```
mysql> UPDATE product_info SET color = 'white' WHERE color = 'yellow';
```

```
ERROR 1142 (42000): UPDATE command denied to user 'select'@'localhost' for table 'product_info'
```

```
mysql>
```

Create "select" user

ip-172-31-41-20

0%

0,69 GB / 0,94 GB

0,01 Mb/s

0,00 Mb/s

33 min

ubuntu

/: 42%

/boot/efi: 5%

Quick connect...

3. mysql

- User sessions
- > DigitalOcean
 - > Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

```
| Grants for update@localhost |
+-----+
| GRANT USAGE ON *.* TO 'update'@'localhost' |
| GRANT SELECT, UPDATE ON 'pencil_store'.* TO 'update'@'localhost' |
+-----+
2 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM product_info;
+-----+-----+-----+-----+
| product_id | product | color | cost |
+-----+-----+-----+-----+
| 1 | pencil | yellow | 3.52 |
| 2 | pencil | red | 3.52 |
| 3 | pencil | green | 3.52 |
| 4 | pen | black | 4.01 |
| 5 | pen | red | 4.01 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> UPDATE product_info SET color = 'white' WHERE color = 'yellow';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> SELECT * FROM product_info;
+-----+-----+-----+-----+
| product_id | product | color | cost |
+-----+-----+-----+-----+
| 1 | pencil | white | 3.52 |
| 2 | pencil | red | 3.52 |
| 3 | pencil | green | 3.52 |
| 4 | pen | black | 4.01 |
| 5 | pen | red | 4.01 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> █
```

Create "update" user

mysql

TerminalSessionsViewX serverToolsGamesSettingsMacrosHelp

SessionServersToolsGamesSessionsViewSplitMultiExecTunnelingPackagesSettingsHelp

X serverExit

Quick connect...

User sessions

- DigitalOcean
- Virtual Box
 - ec2-1
 - ec2-2
 - mysql
 - Ubuntu1
 - Ubuntu-slave1
 - Ubuntu-slave2

3. mysql

```
ubuntu@ip-172-31-41-20:~$ sudo mysqldump -u root pencil_store > /home/ubuntu/mysql_backup/MyTsk.sql
ubuntu@ip-172-31-41-20:~$ ls mysql_backup/
MyTsk.sql
ubuntu@ip-172-31-41-20:~$
```

Made a backup

ip-172-31-41-20

0%

0,68 GB / 0,94 GB

0,01 Mb/s

0,00 Mb/s

51 min

ubuntu

/: 42%

/boot/efi: 5%

mysql

TerminalSessionsViewX serverToolsGamesSettingsMacrosHelp

SessionServersToolsGamesSessionsViewSplitMultiExecTunnelingPackagesSettingsHelp

X serverExit

Quick connect...3. mysql

User sessions

DigitalOcean

Virtual Box

ec2-1

ec2-2

mysql

Ubuntu1

Ubuntu-slave1

Ubuntu-slave2

mysql> SELECT * FROM store_inventory;

product_id	store_id	inventory
1	2	5
2	1	15
3	3	12
4	2	55

4 rows in set (0.00 sec)

mysql> DELETE FROM store_inventory

store_inventorystore_inventory.inventorystore_inventory.product_idstore_inventory.store_id

mysql> DELETE FROM store_inventory WHERE product_i

product_idproduct_info.colorproduct_info.product

product_infoproduct_info.costproduct_info.product_id

mysql> DELETE FROM store_inventory WHERE product_id = 4;

Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM store_inventory;

product_id	store_id	inventory
1	2	5
2	1	15
3	3	12

3 rows in set (0.00 sec)

mysql>

ip-172-31-41-200%0,68 GB / 0,94 GB0,01 Mb/s0,00 Mb/s62 minubuntu/: 42% /boot/efi: 5%

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net

Deleting part of table

Quick connect...

3. mysql

User sessions

> DigitalOcean

> Virtual Box

ec2-1

ec2-2

mysql

Ubuntu1

Ubuntu-slave1

Ubuntu-slave2

```
ubuntu@ip-172-31-41-20:~$ sudo mysql -u root pencil_store < /home/ubuntu/mysql_backup/MyTsk.sql
ubuntu@ip-172-31-41-20:~$ mysql -u anton -p
Enter password:
ERROR 1045 (28000): Access denied for user 'anton'@'localhost' (using password: YES)
ubuntu@ip-172-31-41-20:~$ mysql -u anton -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 27
Server version: 8.0.30-0ubuntu0.22.04.1 (Ubuntu)
```

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> USE pencil_store;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
```

Database changed

```
mysql> SELECT * FROM store_inventory;
```

product_id	store_id	inventory
1	2	5
2	1	15
3	3	12
4	2	55

4 rows in set (0.00 sec)

```
mysql> █
```


Restoring DB

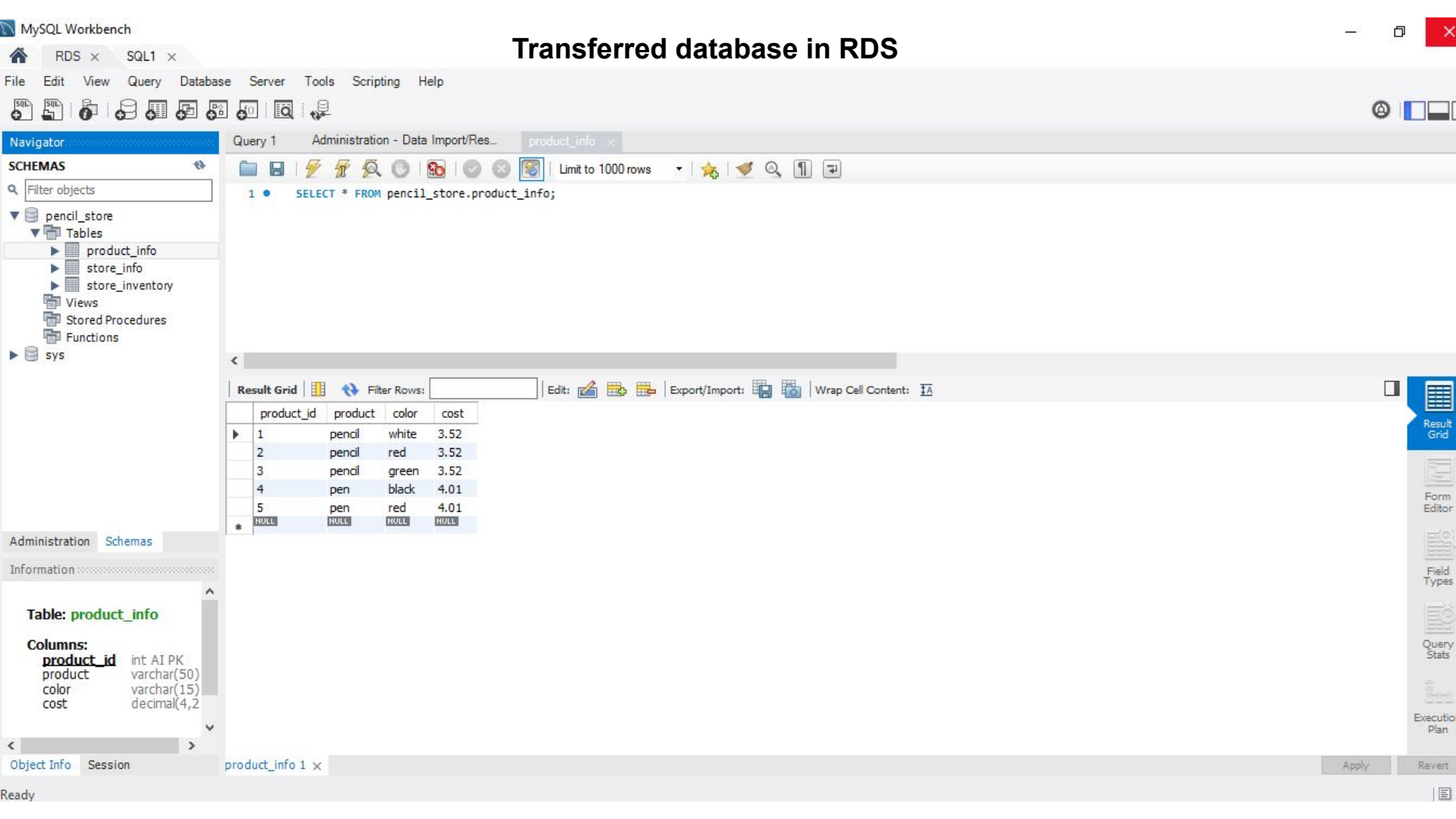
Welcome to MySQL Workbench

MySQL Workbench is the official graphical user interface (GUI) tool for MySQL. It allows you to design, create and browse your database schemas, work with database objects and insert data as well as design and run SQL queries to work with stored data. You can also migrate schemas and data from other database vendors to your MySQL database.

[Browse Documentation >](#)[Read the Blog >](#)[Discuss on the Forums >](#)

MySQL Connections

**RDS** admin database-1.cqvsrhf2trqd.eu-central-...**SQL1** anton ubuntu@3.121.116.189



Transferred database in RDS

Navigator

SCHEMAS

Filter objects

- pencil_store
 - Tables
 - product_info
 - store_info
 - store_inventory
 - Views
 - Stored Procedures
 - Functions
- sys

Query 1 Administration - Data Import/Res... product_info

Limit to 1000 rows

1 • SELECT * FROM pencil_store.product_info;

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

product_id	product	color	cost
1	pencil	white	3.52
2	pencil	red	3.52
3	pencil	green	3.52
4	pen	black	4.01
5	pen	red	4.01
NULL	NULL	NULL	NULL

Administration Schemas

Information

Table: product_info

Columns:

product_id	int AI PK
product	varchar(50)
color	varchar(15)
cost	decimal(4,2)

Object Info Session product_info 1 x

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

Apply

Revert

Ready

SELECT command

RDS x SQL1 x

File Edit View Query Database Server Tools Scripting Help



Navigator

SCHEMAS

Filter objects

- ▼ pencil_store
 - ▼ Tables
 - ▶ product_info
 - ▶ store_info
 - ▶ store_inventory
 - Views
 - Stored Procedures
 - Functions
- ▶ sys

Query 1 Administration - Data Import/Res... product_info x

1 • `SELECT product, color, cost FROM pencil_store.product_info ORDER BY cost DESC;`

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

	product	color	cost
▶	pen	black	4.01
	pen	red	4.01
	pencil	white	3.52
	pencil	red	3.52
	pencil	green	3.52

Administration Schemas

Information

Table: product_info

Columns:

product_id	int AI PK
product	varchar(50)
color	varchar(15)
cost	decimal(4,2)

product_info 3 x

Object Info Session

Query Completed

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

-  Dashboard
-  Performance Reports
-  Performance Schema Setup

Administration Schemas

Information

Table: product info

Columns:

product_id	int AI PK
product	varchar(50)
color	varchar(15)
cost	decimal(4,2)

< >

Object Info

Query Completed

Query 1 Administration - Data Export product_info



RDS

Data Export

Advanced Options...

Object Selection

Export Completed

Status:

3 of 3 exported.

Log:

14:20:08 Dumping pencil store (store inventory)

```
Running: mysqldump.exe --defaults-file="C:\Users\HP\AppData\Local\Temp\tmp2annrhsoz.cnf" --host=database-1.cqvshrf2tqr2.eu-central-1.rds.amazonaws.com --port=3306 --default-character-set=utf8 --user=admin --protocol=tcp --column-statistics=FALSE --skip-triggers "pencil_store" "store_inventory"
```

Warning: A partial dump from a server that has GTIDs will by default include the GTIDs of all transactions, even those that changed suppressed parts of the database. If you don't want to restore GTIDs, pass --set-gtid-purged=OFF. To make a complete dump, pass --all-databases --triggers --routines --events.

14:20:10 Export of C:\Users\HP\Documents\dumps\Dump20221108 (1) has finished

14:21:13 Dumping pencil store (all tables)

```
Running: mysqldump.exe --defaults-file='C:\Users\HP\AppData\Local\Temp\tpmw37alxz4.cnf' --host=database-1.cqvsrhf2trqd.eu-central-1.rds.amazonaws.com --port=3306 --default-character-set=utf8 --user=admin --protocol=tcp --column-statistics=FALSE --skip-triggers "pencil_store"
```

Warning: A partial dump from a server that has GTIDs will by default include the GTIDs of all transactions, even those that changed suppressed parts of the database. If you don't want to restore GTIDs, pass --set-gtid-purged=OFF. To make a complete dump, pass --all-databases --triggers --routines --events.

14:21:15 Export of C:\Users\HP\Documents\dumps\Dump20221108.sql has finished

Stop

Export Again

Output

Query Completed

18.157.79.28 (ubuntu)

TerminalSessionsViewX serverToolsGamesSettingsMacrosHelp

SessionServersToolsGamesSessionsViewSplitMultiExecTunnelingPackagesSettingsHelp

X serverExit

Quick connect...

User sessions

DigitalOcean

Virtual Box

ec2-1

ec2-2

MongoDB

mysql

Ubuntu1

Ubuntu-slave1

Ubuntu-slave2

4. 18.157.79.28 (ubuntu)

<+>

> show dbs;
admin 0.000GB
config 0.000GB
local 0.000GB
> use storeDB;
switched to db storeDB
> storeDB.createCollection("products");
uncaught exception: ReferenceError: storeDB is not defined :
@(shell):1:1
> db.createCollection("products");
{ "ok" : 1 }
> show dbs;
admin 0.000GB
config 0.000GB
local 0.000GB
storeDB 0.000GB
> show collections;
products
> db.products.insert({"pencil":"red"});
WriteResult({ "nInserted" : 1 })
> db.products.insert({"pencil":"green"});
WriteResult({ "nInserted" : 1 })
> db.products.insert({"pencil":"yellow"});
WriteResult({ "nInserted" : 1 })
> db.products.find();
{ "_id" : ObjectId("636a536a739334b242ed0269"), "pencil" : "red" }
{ "_id" : ObjectId("636a538d739334b242ed026a"), "pencil" : "green" }
{ "_id" : ObjectId("636a5398739334b242ed026b"), "pencil" : "yellow" }
> db.products.insert({product:"pen", color:"blue", price:2.55});
WriteResult({ "nInserted" : 1 })
> db.products.find();
{ "_id" : ObjectId("636a536a739334b242ed0269"), "pencil" : "red" }
{ "_id" : ObjectId("636a538d739334b242ed026a"), "pencil" : "green" }
{ "_id" : ObjectId("636a5398739334b242ed026b"), "pencil" : "yellow" }
{ "_id" : ObjectId("636a549c739334b242ed026c"), "product" : "pen", "color" : "blue", "price" : 2.55 }
>

MongoDB:
creating DB, making collection
and inserting data

ip-172-31-15-620%0,38 GB / 0,94 GB0,01 Mb/s0,00 Mb/s26 minubuntu/: 31% /boot/efi: 5%