

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator Limit to 1000 rows

SCHEMAS

Filter objects

entri_d41

- Tables
- Views
- Stored Procedures
- Functions
- product
- sales
- school
- sys

Administration Schemas

Information

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery

```
1 • Create table country (Id int not null primary key, Country_name varchar(15) not null,  
2 Population int not null,Area int not null );  
3  
4 • desc country;  
5  
6 • create table Persons(Id int not null primary key,Fname varchar(15) not null ,
```

Result Grid Filter Rows: Export: Wrap Cell Content: 15

Field	Type	Null	Key	Default	Extra
Id	int	NO	PRI	NULL	
Country_name	varchar(15)	NO		NULL	
Population	int	NO		NULL	
Area	int	NO		NULL	

Result 10 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	22:56:27	desc country	4 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator: Local instance MySQL80

SCHEMAS

Filter objects

entri_d41

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Administration Schemas Information

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery

Limit to 1000 rows

```
7 Lname varchar(15)not null,Population int not null ,Rating float not null ,
8 Country_id varchar(5) not null,Country_name varchar(20)not null );
9
10 • desc persons;
11
12 #Insert 10 rows to Table Country
```

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

Field	Type	Null	Key	Default	Extra
Id	int	NO	PRI	NULL	
Fname	varchar(15)	NO		NULL	
Lname	varchar(15)	NO		NULL	
Population	int	NO		NULL	
Rating	float	NO		NULL	
Country_id	varchar(5)	NO		NULL	
Country_name	varchar(20)	NO		NULL	
DOB	date	YES		NULL	

Result 11 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	22:56:27	desc country	4 row(s) returned	0.000 sec / 0.000 sec
2	22:56:37	desc persons	3 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

entri_d41

- Tables
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Administration Schemas

Information

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery x

Limit to 1000 rows

```
22 (207,'Bangladesh',80000, 148571) ,
23 (208,'Russia',1440000, 17125191) ,
24 (209,'Australia',260000,7692024) ;
25
26 • select * from country;
27
```

Result Grid

Id	Country_name	Population	Area
200	China	1400000	9600000
201	India	1400000	3300000
202	United States	335000	9800000
203	Indonesia	277000	1900000
204	Brazil	215000	8400000
205	Pakistan	2350000	881913
206	Nigeria	21800	923768
207	Bangladesh	80000	148571
208	Russia	1440000	17125191
209	Australia	260000	7692024

country 12 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	22:56:27	desc country	4 row(s) returned	0.000 sec / 0.000 sec
✓ 2	22:56:37	desc persons	8 row(s) returned	0.000 sec / 0.000 sec
✓ 3	22:56:51	select * from country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Result Grid
Form Editor
Field Types
Query Status

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator [www.mysql.com/doc](#) sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery x

SCHEMAS

Filter objects

entri_d41

- Tables
- Views
- Stored Procedures
- Functions
- product
- sales
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- sys

Administration Schemas

Information

No object selected

Limit to 1000 rows

```
36 (212,'Sophia','Alex', 400000 , 3.7,'IN', 'India'),
37 (213,'Isabella','Jones', 15000 , 4.9,'JP', 'Japan'),
38 ( 214,'Liam', 'Miller', 30000 ,3.6,'MX','Mexico');
39
40 select * from persons;
41
```

Result Grid

	Id	Firstname	Lastname	Population	Rating	Country_id	Country_name	DOB
▶	205	John	Doe	10000	4.5	US	United states	2000-10-24
	206	Jane	Smith	9000	3.8	CA	Canada	1989-12-21
	207	Michael	Johnson	800000	4.2	AU	Australia	2001-06-24
	208	Emily	Davis	7000	4	CA	Canada	1999-07-31
	209	Ethan	Lee	9000	4.7	CN	China	1998-10-30
	210	Olivia	Martinez	600000	3.9	US	United states	1992-02-07
	211	Ava	Williams	12000	4.8	UK	UK	2000-01-14
	212	Sophia	Alex	400000	3.7	IN	India	1996-03-24
	213	Isabella	Jones	15000	4.9	JP	Japan	1990-04-12
	214	Liam	Miller	30000	3.6	MX	Mexico	2003-05-13

persons 13 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	22:56:27	desc country	4 row(s) returned	0.000 sec / 0.000 sec
2	22:56:37	desc persons	8 row(s) returned	0.000 sec / 0.000 sec
3	22:56:51	select * from country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
4	22:57:02	select * from persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator Filter objects

entri_d41

- Tables
- Views
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- product
- sales
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Administration Schemas

Information

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 5.subquery

Limit to 1000 rows

```
-- 1. Find the number of persons in each country.
42
43 select Country_name,count(*) as Persons_count from (select Country_name from country
44 union all
45 select Country_name from persons) as combined_data group by Country_name;
46
47
```

Result Grid

Country_name	Persons_count
China	2
India	2
United States	3
Indonesia	1
Brazil	1
Pakistan	1
Nigeria	1
Bangladesh	1
Russia	1
Australia	2
Canada	2
UK	1
Japan	1
Mexico	1

Result 14

Output

#	Time	Action	Message	Duration / Fetch
1	22:56:27	desc country	4 row(s) returned	0.000 sec / 0.000 sec
2	22:56:37	desc persons	8 row(s) returned	0.000 sec / 0.000 sec
3	22:56:51	select * from country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
4	22:57:02	select * from persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
5	22:57:17	select Country_name,count(*) as Persons_count from (select Country_name from country union all select Country_name from persons) as combined_data group by Country_name;	14 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

entri_d41

Tables

Views

Stored Procedures

Functions

product

sales

school

sys

Administration Schemas

Information

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8,subquery

Limit to 1000 rows

```
-- 2. Find the number of persons in each country sorted from high to low.
48 select Country_name,count(*) as Persons_count from (select Country_name from country
49 union all
50 select Country_name from persons) as combined_data group by Country_name order by Persons_count desc;
51
52
53
```

Result Grid

Filter Rows:

Exports

Wrap Cell Contents

Country_name	Persons_count
United States	3
China	2
India	2
Australia	2
Canada	2
Indonesia	1
Brazil	1
Pakistan	1
Nigeria	1
Bangladesh	1
Russia	1
UK	1
Japan	1
Mexico	1

Result 15

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	22:56:27	desc country	4 row(s) returned	0.000 sec / 0.000 sec
2	22:56:37	desc persons	8 row(s) returned	0.000 sec / 0.000 sec
3	22:56:51	select * from country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
4	22:57:02	select * from persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
5	22:57:17	select Country_name,count(*) as Persons_count from (select Country_name from country union all select Country_...	14 row(s) returned	0.000 sec / 0.000 sec
6	22:57:33	select Country_name,count(*) as Persons_count from (select Country_name from country union all select Country_...	14 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

▼ entri_d41

- Tables
- Views
- Stored Procedures
- Functions

product

sales

school

sys

Administration Schemas

Information

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery

Limit to 1000 rows

```
54 -- 3. Find out an average rating for Persons in respective countries if the average is greater than 3.0
55 • select Country_name,avg(Rating) as Avg_rating from persons
56 where Rating>3 group by Country_name ;
57
58
59 -- 4. Find the countries with the same rating as the USA. (Use Subqueries)
```

Result Grid

Filter Rows:

Exports: Wrap Cell Contents

Country_name	Avg_rating
United states	4.200000047683716
Canada	3.899999976158142
Australia	4.199999809265137
China	4.699999809265137
UK	4.800000190734863
India	3.700000047683716
Japan	4.900000095367432
Mexico	3.5999999046325684

Result 16 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 2	22:56:37	desc persons	8 row(s) returned	0.000 sec / 0.000 sec
✓ 3	22:56:51	select * from country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 4	22:57:02	select * from persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 5	22:57:17	select Country_name,count(*) as Persons_count from (select Country_name from country union all select Countr...	14 row(s) returned	0.000 sec / 0.000 sec
✓ 6	22:57:33	select Country_name,count(*) as Persons_count from (select Country_name from country union all select Countr...	14 row(s) returned	0.000 sec / 0.000 sec
✓ 7	22:57:43	select Country_name,avg(Rating) as Avg_rating from persons where Rating>3 group by Country_name LIMIT 0...	8 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery

Limit to 1000 rows

```
57
58
59 -- 4. Find the countries with the same rating as the USA. (Use Subqueries)
60 • select Country_name from persons where Rating in
61 (select Rating from persons where Country_name='United states') group by Country_name;
62
```

Result Grid Filter Rows: Exports Wrap Cell Contents

Country_name
United states

Administration Schemas

Information

No object selected

persons 17 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	22:56:51	select * from country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
4	22:57:02	select * from persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
5	22:57:17	select Country_name,count(*) as Persons_count from (select Country_name from country union all select Countr...	14 row(s) returned	0.000 sec / 0.000 sec
6	22:57:33	select Country_name,count(*) as Persons_count from (select Country_name from country union all select Countr...	14 row(s) returned	0.000 sec / 0.000 sec
7	22:57:43	select Country_name,avg(Rating) as Avg_rating from persons where Rating>3 group by Country_name LIMIT 0...	8 row(s) returned	0.000 sec / 0.000 sec
8	22:57:58	select Country_name from persons where Rating in (select Rating from persons where Country_name='United s...	1 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

entri_d41

- Tables
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- school
- sys

Administration Schemas

Information

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8,subquery x

Limit to 1000 rows

```
63 -- 5. Select all countries whose population is greater than the average population of all nations.
64 * SELECT Country_Name
65 FROM Country
66 WHERE Population > (SELECT AVG(Population) FROM Country);
67
68 -- Create a database named Product and create a table called Customer
```

Result Grid

Filter Rows: Exports Wrap Cell Contents

Country_Name
China
India
Pakistan
Russia

Country 18 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
4	22:57:02	select * from persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
5	22:57:17	select Country_name,count(*) as Persons_count from (select Country_name from country union all select Countr...	14 row(s) returned	0.000 sec / 0.000 sec
6	22:57:33	select Country_name,count(*) as Persons_count from (select Country_name from country union all select Countr...	14 row(s) returned	0.000 sec / 0.000 sec
7	22:57:43	select Country_name,avg(Rating) as Avg_rating from persons where Rating>3 group by Country_name LIMIT 0...	8 row(s) returned	0.000 sec / 0.000 sec
8	22:57:58	select Country_name from persons where Rating in (select Rating from persons where Country_name='United s...	1 row(s) returned	0.000 sec / 0.000 sec
9	22:58:14	SELECT Country_Name FROM Country WHERE Population > (SELECT AVG(Population) FROM Country) LIMIT...	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

- entri_d41
 - Tables
 - Views
 - Stored Procedures
 - Functions
- sales
- school
- sys

Administration Schemas

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery*

Limit to 1000 rows

```
66 WHERE Population > (SELECT AVG(Population) FROM Country);
67
68 -- Create a database named Product and create a table called Customer
69 -- with the following fields in the Product database: Customer_Id - Make PRIMARY KEY
70 -- First_name Last_name Email Phone_no Address City State Zip_code Country
71
72 • Create database Product;
73
74 • use product;
75 • CREATE TABLE Customer (Customer_Id INT PRIMARY KEY,First_name VARCHAR(50) NOT NULL,
76 Last_name VARCHAR(50) NOT NULL,Email VARCHAR(100) NOT NULL,
77 Phone_no VARCHAR(15),Address VARCHAR(255),
78 City VARCHAR(50),State VARCHAR(50),
79 Zip_code VARCHAR(10),Country VARCHAR(50) NOT NULL
80 );
81
82 • select * from customer;
83
84 • INSERT INTO Customer (Customer_Id, First_name, Last_name, Email, Phone_no, Address, City, State, Zip_code, Country)
85 VALUES
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
7	22:57:43	select Country_name.avg(Rating) as Avg_rating from persons where Rating>3 group by Country_name LIMIT 0...	8 row(s) returned	0.000 sec / 0.000 sec
8	22:57:58	select Country_name from persons where Rating in (select Rating from persons where Country_name='United s...	1 row(s) returned	0.000 sec / 0.000 sec
9	22:58:14	SELECT Country_Name FROM Country WHERE Population > (SELECT AVG(Population) FROM Country) LIMIT...	4 row(s) returned	0.000 sec / 0.000 sec
10	22:58:41	DROP DATABASE 'product'	5 row(s) affected	0.062 sec
11	22:58:44	Create database Product	1 row(s) affected	0.015 sec
12	22:58:46	use product	0 row(s) affected	0.015 sec

Object Info Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator Filter objects

- entri_d41
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
 - Tables
 - Views
 - Stored Procedures
 - Functions
- sales
- school
- sys

Administration Schemas

Information

Schema: product

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 3.subquery*

Limit to 1000 rows

```
78 City VARCHAR(50),State VARCHAR(50),
79 Zip_code VARCHAR(10),Country VARCHAR(50) NOT NULL
80 );
81
82 desc customer;
83
```

Result Grid Filter Rows: Exports Wrap Cell Content: 12

Field	Type	Null	Key	Default	Extra
Customer_Id	int	NO	PR1	NULL	
First_name	varchar(50)	NO		NULL	
Last_name	varchar(50)	NO		NULL	
Email	varchar(100)	NO		NULL	
Phone_no	varchar(15)	YES		NULL	
Address	varchar(255)	YES		NULL	
City	varchar(50)	YES		NULL	
State	varchar(50)	YES		NULL	
Zip_code	varchar(10)	YES		NULL	
Country	varchar(50)	NO		NULL	

Result 20 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 10	22:58:41	DROP DATABASE 'product'	5 row(s) affected	0.062 sec
✓ 11	22:58:44	Create database Product	1 row(s) affected	0.015 sec
✓ 12	22:58:46	use product	0 row(s) affected	0.015 sec
✓ 13	22:59:30	CREATE TABLE Customer (Customer_Id INT PRIMARY KEY,First_name VARCHAR(50) NOT NULL, Last_na...	0 row(s) affected	0.016 sec
✓ 14	22:59:33	select * from customer LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 15	22:59:59	desc customer	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

entri_d41

Tables

Views

Stored Procedures

Functions

product

Tables

Views

Stored Procedures

Functions

sales

school

sys

Administration Schemas

Information

Schema: product

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery

Limit to 1000 rows

```
84 • INSERT INTO Customer (Customer_Id, First_name, Last_name, Email, Phone_no, Address, City, State, Zip_code, Country)
85 VALUES
86 (1, 'John', 'Doe', 'john.doe@example.com', '1234567890', '123 Elm St', 'Los Angeles', 'California', '90001', 'USA'),
87 (2, 'Jane', 'Smith', 'jane.smith@example.com', '2345678901', '456 Maple Ave', 'Toronto', 'Ontario', 'M4B 1B3', 'Canada'),
88 (3, 'Mike', 'Johnson', 'mike.johnson@example.com', '3456789012', '789 Oak Rd', 'London', 'London', 'E1 6AN', 'UK'),
89 (4, 'Emily', 'Davis', 'emily.davis@example.com', '4567890123', '101 Pine Blvd', 'Montreal', 'Quebec', 'H1A 0B1', 'Canada'),
90 (5, 'David', 'Brown', 'david.brown@example.com', '5678901234', '202 Birch Ct', 'Las Vegas', 'Nevada', '89101', 'USA'),
91 (6, 'Laura', 'Wilson', 'laura.wilson@example.com', '6789012345', '303 Cedar Dr', 'Seattle', 'Washington', '98101', 'USA'),
92 (7, 'Carlos', 'Martinez', 'carlos.martinez@example.com', '7890123456', '404 Spruce St', 'Madrid', 'Madrid', '28001', 'Spain'),
93 (8, 'Sophia', 'Garcia', 'sophia.garcia@example.com', '8901234567', '505 Willow Way', 'Houston', 'Texas', '77001', 'USA'),
94 (9, 'Emma', 'Taylor', 'emma.taylor@example.com', '9012345678', '606 Fir Pl', 'Sydney', 'New South Wales', '2000', 'Australia'),
95 (10, 'Liam', 'Anderson', 'liam.anderson@example.com', '0123456789', '707 Palm St', 'Victoria', 'British Columbia', 'V8W 1N6', 'Canada');
96
97 • select * from customer;
98
99 -- 1. Create a view named customer_info for the Customer table that displays
100 -- Customer's Full name and email address. Then perform the SELECT
101 -- operation for the customer_info view.
102 • create view Customer_info as select concat(First_name, ' ', Last_name) as Full_name, email from customer;
103
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	11 22:58:44	Create database Product	1 row(s) affected	0.015 sec
✓	12 22:58:46	use product	0 row(s) affected	0.015 sec
✓	13 22:59:30	CREATE TABLE Customer (Customer_Id INT PRIMARY KEY, First_name VARCHAR(50) NOT NULL, Last_na...	0 row(s) affected	0.016 sec
✓	14 22:59:33	select * from customer LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓	15 22:59:59	desc customer	10 row(s) returned	0.000 sec / 0.000 sec
✓	16 23:00:11	INSERT INTO Customer (Customer_Id, First_name, Last_name, Email, Phone_no, Address, City, State, Zip_cod...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec

Object Info Session

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

Filter objects

entri_d41

Tables

Views

Stored Procedures

Functions

product

Tables

Views

Stored Procedures

Functions

sales

school

sys

Administration

Schemas

Information

Schema: product

sql1

sql2

sql joins

built in fn

user_defined_fn

subquery

views

Assignment 8.subquery

Limit to 1000 rows

93

(8, 'Sophia', 'Garcia', 'sophia.garcia@example.com', '8901234567', '505 Willow Way', 'Houston', 'Texas', '77001', 'USA'),

94

(9, 'Emma', 'Taylor', 'emma.taylor@example.com', '9012345678', '606 Fir Pl', 'Sydney', 'New South Wales', '2000', 'Australia'),

95

(10, 'Liam', 'Anderson', 'liam.anderson@example.com', '0123456789', '707 Palm St', 'Victoria', 'British Columbia', 'V8W 1N8', 'Canada');

96

97

select * from customer;

98

Result Grid

Filter Rows

Edit

Export/Import

Wrap Cell Contents

Customer_Id	First_name	Last_name	Email	Phone_no	Address	City	State	Zip_code	Country
1	John	Doe	john.doe@example.com	1234567890	123 Elm St	Los Angeles	California	90001	USA
2	Jane	Smith	jane.smith@example.com	2345678901	456 Maple Ave	Toronto	Ontario	M4B 1B3	Canada
3	Mike	Johnson	mike.johnson@example.com	3456789012	789 Oak Rd	London	London	E1 6AN	UK
4	Emily	Davis	emily.davis@example.com	4567890123	101 Pine Blvd	Montreal	Quebec	H1A 0B1	Canada
5	David	Brown	david.brown@example.com	5678901234	202 Birch Ct	Las Vegas	Nevada	89101	USA
6	Laura	Wilson	laura.wilson@example.com	6789012345	303 Cedar Dr	Seattle	Washington	98101	USA
7	Carlos	Martinez	carlos.martinez@example.com	7890123456	404 Spruce St	Madrid	Madrid	28001	Spain
8	Sophia	Garcia	sophia.garcia@example.com	8901234567	505 Willow Way	Houston	Texas	77001	USA
9	Emma	Taylor	emma.taylor@example.com	9012345678	606 Fir Pl	Sydney	New South Wales	2000	Australia
10	Liam	Anderson	liam.anderson@example.com	0123456789	707 Palm St	Victoria	British Columbia	V8W 1N8	Canada

customer 21

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 12	22:58:46	use product	0 row(s) affected	0.015 sec
✓ 13	22:59:30	CREATE TABLE Customer (Customer_Id INT PRIMARY KEY, First_name VARCHAR(50) NOT NULL, Last_na...	0 row(s) affected	0.016 sec
✓ 14	22:59:33	select * from customer LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 15	22:59:59	desc customer	10 row(s) returned	0.000 sec / 0.000 sec
✓ 16	23:00:11	INSERT INTO Customer (Customer_Id, First_name, Last_name, Email, Phone_no, Address, City, State, Zip_cod...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
✓ 17	23:00:18	select * from customer LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator [www.mysql.com/...](#) sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery*

SCHEMAS

Filter objects

- entri_d41
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
 - Tables
 - Views
 - Stored Procedures
 - Functions
- sales
- school
- sys

Administration Schemas

Schema: product

```
160 -- Customer's Full name and email address. Then perform the SELECT
161 -- operation for the customer_info view.
162 * create view Customer_info as select concat(First_name,' ',Last_name)as Full_name,email from customer;
163
164 * select * from customer_info;
165
```

Result Grid | Filter Rows: | Exports | Wrap Cell Contents

	Full_name	email
▶	John Doe	john.doe@example.com
	Jane Smith	jane.smith@example.com
	Mike Johnson	mike.johnson@example.com
	Emily Davis	emily.davis@example.com
	David Brown	david.brown@example.com
	Laura Wilson	laura.wilson@example.com
	Carlos Martinez	carlos.martinez@example.com
	Sophia Garcia	sophia.garcia@example.com
	Emma Taylor	emma.taylor@example.com
	Liam Anderson	liam.anderson@example.com

customer_info 22 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 14	22:59:33	select * from customer LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 15	22:59:59	desc customer	10 row(s) returned	0.000 sec / 0.000 sec
✓ 16	23:00:11	INSERT INTO Customer (Customer_id, First_name, Last_name, Email, Phone_no, Address, City, State, Zip_cod...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
✓ 17	23:00:18	select * from customer LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 18	23:00:35	create view Customer_info as select concat(First_name,' ',Last_name)as Full_name,email from customer	0 row(s) affected	0.015 sec
✓ 19	23:01:09	select * from customer_info LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator Filter objects

- entri_d41
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
 - Tables
 - customer
 - Views
 - customer_info
 - Stored Procedures
 - Functions
 - sales
 - school

Administration Schemas

Information

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery x

Limit to 1000 rows

```
105
106 -- 2. Create a view named US_Customers that displays customers located in the US.
107 • create view US_Customers as select Customer_id,First_name,Last_name,State,Country FROM customer where Country='USA';
108
109 • select * from Us_customers;
110
```

Result Grid Filter Rows: Exports Wrap Cell Contents

	Customer_id	First_name	Last_name	State	Country
▶	1	John	Doe	California	USA
	5	David	Brown	Nevada	USA
	6	Laura	Wilson	Washington	USA
	8	Sophia	Garcia	Texas	USA

Us_customers 24 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 19	23:01:09	select * from customer_info LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 20	23:01:30	create view US_Customers as select Customer_id,First_name,Last_name,State,Country FROM customer where ...	0 row(s) affected	0.000 sec
✓ 21	23:02:00	select * from Us_customers LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 22	23:02:37	DROP VIEW 'product'. 'us_customers'	0 row(s) affected	0.015 sec
✓ 23	23:02:42	create view US_Customers as select Customer_id,First_name,Last_name,State,Country FROM customer where ...	0 row(s) affected	0.000 sec
✓ 24	23:02:44	select * from Us_customers LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

entri_d41

- Tables
- Views
- Stored Procedures
- Functions

product

- Tables
- customer
- Views
 - customer_info
- Stored Procedures
- Functions

sales

school

Administration

Schemas

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery*

Limit to 1000 rows

113

114 • Create view Customer_details as select Customer_id,concat(First_name,' ',Last_name)as

115 Full_name,email,Phone_no,State from customer;

116

117 • select * from customer_details;

118

Result Grid

Filter Rows:

Export:

Wrap Cell Contents: 11

	Customer_id	Full_name	email	Phone_no	State
1	John Doe	john.doe@example.com	1234567890	California	
2	Jane Smith	jane.smith@example.com	2345678901	Ontario	
3	Mike Johnson	mike.johnson@example.com	3456789012	London	
4	Emily Davis	emily.davis@example.com	4567890123	Quebec	
5	David Brown	david.brown@example.com	5678901234	Nevada	
6	Laura Wilson	laura.wilson@example.com	david.brown@example.com	igton	
7	Carlos Martinez	carlos.martinez@example.com	7890123456	Madrid	
8	Sophia Garcia	sophia.garcia@example.com	8901234567	Texas	
9	Emma Taylor	emma.taylor@example.com	9012345678	New South Wales	
10	Liam Anderson	liam.anderson@example.com	0123456789	British Columbia	

customer_details 25

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
21	23:02:00	select * from US_customers LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
22	23:02:37	DROP VIEW 'product'. 'us_customers'	0 row(s) affected	0.015 sec
23	23:02:42	create view US_Customers as select Customer_id,First_name,Last_name,State,Country FROM customer where ...	0 row(s) affected	0.000 sec
24	23:02:44	select * from US_customers LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
25	23:03:08	Create view Customer_details as select Customer_id,concat(First_name,' ',Last_name)as Full_name,email,Phon...	0 row(s) affected	0.000 sec
26	23:03:10	select * from customer_details LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator Filter objects

- entri_d41
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
 - Tables
 - customer
 - Views
 - customer_info
 - Stored Procedures
 - Functions
- sales
- school

Administration Schemas

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery*

Limit to 1000 rows

```
113
114 • Create view Customer_details as select Customer_id,concat(First_name,' ',Last_name)as
115 Full_name,email,Phone_no,State from customer;
116
117 • select * from customer_details;
118
119 -- 4. Update phone numbers of customers who live in California for Customer_details view.
120 • Update customer_details set Phone_no='1111222233' where state='California';
121 • set sql_safe_updates=0;
122
123
124 -- 5. Count the number of customers in each state and show only states with more than 5 customers.
125 • SELECT State, COUNT(Customer_Id) AS Number_of_Customers
126 FROM Customer GROUP BY State
127 HAVING COUNT(Customer_Id) > 5;
128
129 -- 6. Write a query that will return the number of customers in each state, based
130 -- on the "state" column in the "customer_details" view.
131 • select State,count(Customer_Id) as Number_of_customers from customer_details
132 group by State ;
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 24	23:02:44	select *from Us_customers LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
✓ 25	23:03:08	Create view Customer_details as select Customer_id,concat(First_name,' ',Last_name)as Full_name,email,Phon...	0 row(s) affected	0.000 sec
✓ 26	23:03:10	select *from customer_details LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✗ 27	23:03:20	Update customer_details set Phone_no='1111222233' where state='California'	Error Code: 1175. You are using safe update mode and you tried to update a table without a WHERE that uses ...	0.000 sec
✓ 28	23:03:23	set sql_safe_updates=0	0 row(s) affected	0.000 sec
✓ 29	23:03:24	Update customer_details set Phone_no='1111222233' where state='California'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec

Object Info Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator Limit to 1000 rows

SCHEMAS

Filter objects

- entri_d41
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
 - Tables
 - customer
 - customer_details
 - customer_details
 - Full_name
 - email
 - Phone_no

Administration Schemas

Information

View:
customer_details

Columns:
Customer_id int
Full_name varchar(101)
email varchar(100)
Phone_no varchar(15)
State varchar(50)

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery*

```
118
119 -- 4. Update phone numbers of customers who live in California for Customer_details view.
120 • Update customer_details set Phone_no='1111222233' where state='California';
121 • set sql_safe_updates=0;
122 • SELECT * from customer_details;
123 -- 5. Count the number of customers in each state and show only states with more than 5 customers.
```

Result Grid Filter Rows: Export: Wrap Cell Content: 11

	Customer_id	Full_name	email	Phone_no	State
▶	1	John Doe	john.doe@example.com	1111222233	California
2	Jane Smith	jane.smith@example.com	2345678901	Ontario	
3	Mike Johnson	mike.johnson@example.com	3456789012	London	
4	Emily Davis	emily.davis@example.com	4567890123	Quebec	
5	David Brown	david.brown@example.com	5678901234	Nevada	
6	Laura Wilson	laura.wilson@example.com	6789012345	Washington	
7	Carlos Martinez	carlos.martinez@example.com	7890123456	Madrid	
8	Sophia Garcia	sophia.garcia@example.com	8901234567	Texas	
9	Emma Taylor	emma.taylor@example.com	9012345678	New South Wales	
10	Liam Anderson	liam.anderson@example.com	0123456789	British Columbia	

customer_details 26 x

Output Action Output

#	Time	Action	Message	Duration / Fetch
25	23:03:08	Create view Customer_details as select Customer_id,concat(First_name,'',Last_name)as Full_name,email,Phon...	0 row(s) affected	0.000 sec
26	23:03:10	select *from customer_details LIMIT 0. 1000	10 row(s) returned	0.000 sec / 0.000 sec
27	23:03:20	Update customer_details set Phone_no='1111222233' where state='California'	Error Code: 1175. You are using safe update mode and you tried to update a table without a WHERE that uses ...	0.000 sec
28	23:03:23	set sql_safe_updates=0	0 row(s) affected	0.000 sec
29	23:03:24	Update customer_details set Phone_no='1111222233' where state='California'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
30	23:03:57	SELECT *from customer_details LIMIT 0. 1000	10 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

SCHMAS

entri_d41

Tables

Views

Stored Procedures

Functions

product

Tables

customer

Views

customer_details

Customer_id

Full_name

email

Phone_no

State

Administration Schemas

Information

View: customer_details

Columns:

Customer_id int

Full_name varchar(101)

email varchar(100)

Phone_no varchar(15)

State varchar(50)

Object Info Session

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8,subquery*

Limit to 1000 rows

123

124 -- 5. Count the number of customers in each state and show only states with more than 5 customers.

125 • SELECT State, COUNT(Customer_Id) AS Number_of_Customers

126 FROM Customer GROUP BY State

127 HAVING COUNT(Customer_Id) > 5;

128

Result Grid

Filter Rows

Exports

Wrap Cell Content

State	Number_of_Customers
-------	---------------------

Result 27 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	26 23:03:10	select * from customer_details LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✗	27 23:03:20	Update customer_details set Phone_no='1111222233' where state='California'	Error Code: 1175. You are using safe update mode and you tried to update a table without a WHERE that uses ...	0.000 sec
✓	28 23:03:23	set sq_safe_updates=0	0 row(s) affected	0.000 sec
✓	29 23:03:24	Update customer_details set Phone_no='1111222233' where state='California'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
✓	30 23:03:57	SELECT * from customer_details LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	31 23:04:11	SELECT State, COUNT(Customer_Id) AS Number_of_Customers FROM Customer GROUP BY State HAVING C...	0 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator Local instance MySQL80 x

Filter objects

Schemas

- entri_d41
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
 - Tables
 - customer
 - Views
 - customer_details
 - Customer_id
 - Full_name
 - email
 - Phone_no

Administration Schemas

Information

View: customer_details

Columns:

- Customer_id int
- Full_name varchar(101)
- email varchar(100)
- Phone_no varchar(15)
- State varchar(50)

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery*

Limit to 1000 rows

```
128
129 -- 6. Write a query that will return the number of customers in each state, based
130 -- on the "state" column in the "customer_details" view.
131 • select State,count(Customer_id) as Number_of_customers from customer_details
132 group by State ;
133
```

Result Grid

State	Number_of_customers
California	1
Ontario	1
London	1
Quebec	1
Nevada	1
Washington	1
Madrid	1
Texas	1
New South Wales	1
British Columbia	1

Result 25 x

Output

#	Time	Action	Message	Duration / Fetch
27	23.03.20	Update customer_details set Phone_no='1111222233' where state='California'	Error Code: 1175. You are using safe update mode and you tried to update a table without a WHERE that uses ...	0.000 sec
28	23.03.23	set sql_safe_updates=0	0 row(s) affected	0.000 sec
29	23.03.24	Update customer_details set Phone_no='1111222233' where state='California'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
30	23.03.57	SELECT * from customer_details LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
31	23.04.11	SELECT State, COUNT(Customer_id) AS Number_of_Customers FROM Customer GROUP BY State HAVING C...	0 row(s) returned	0.000 sec / 0.000 sec
32	23.04.22	select State,count(Customer_id) as Number_of_customers from customer_details group by State LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

entri_d41

Tables

Views

Stored Procedures

Functions

product

Tables

customer

Views

customer_details

Customer_id

Full_name

email

Phone_no

State

Administration Schemas

Information

View: customer_details

Columns:

Customer_id int

Full_name varchar(101)

email varchar(100)

Phone_no varchar(15)

State varchar(50)

sql1 sql2 sql joins built in fn user_defined_fn subquery views Assignment 8.subquery

Limit to 1000 rows

```
132 group by State ;
133
134 -- 7. Write a query that returns all the columns from the "customer_details"
135 -- view, sorted by the "state" column in ascending order.
136 select * from customer_details order by State asc;
137
```

Result Grid

Customer_id	Full_name	email	Phone_no	State
10	Liam Anderson	liam.anderson@example.com	0123456789	British Columbia
1	John Doe	john.doe@example.com	1111222233	California
3	Mike Johnson	mike.johnson@example.com	3456789012	London
7	Carlos Martinez	carlos.martinez@example.com	7890123456	Madrid
5	David Brown	david.brown@example.com	5678901234	Nevada
9	Emma Taylor	emma.taylor@example.com	9012345678	New South Wales
2	Jane Smith	jane.smith@example.com	2345678901	Ontario
4	Emily Davis	emily.davis@example.com	4567890123	Quebec
8	Sophia Garcia	sophia.garcia@example.com	8901234567	Texas
6	Laura Wilson	laura.wilson@example.com	6789012345	Washington

customer_details 29 x

Output

#	Time	Action	Message	Duration / Fetch
28	23:03:23	set sql_safe_updates=0	0 row(s) affected	0.000 sec
29	23:03:24	Update customer_details set Phone_no='1111222233' where state='California'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
30	23:03:57	SELECT * from customer_details LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
31	23:04:11	SELECT State, COUNT(Customer_id) AS Number_of_Customers FROM Customer GROUP BY State HAVING C...	0 row(s) returned	0.000 sec / 0.000 sec
32	23:04:22	select State,count(Customer_id) as Number_of_customers from customer_details group by State LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
33	23:04:33	select * from customer_details order by State asc LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session