

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigation

SCHEMAS

Filter objects

entry\_d41

- Tables
  - country
    - Columns
      - Id
      - Country\_name
      - Population
      - Area
    - Indexes
    - Foreign Keys
    - Triggers
  - customers
- Administration
- Schemas

Information

D\_41\_SESSION 1foreign keytime stampjoinsbuilt in functionsuser defined functionssub queriesviewsASSIGNMENT 8\*

Limit to 200 rows

1-- Consider the Country table and Persons table that you created earlier and perform the following:

2-- 1. Find the number of persons in each country.

3• select Country\_name,count(\*)as persons\_count from (select Country\_name from country union all

4select Country\_name from persons)as combined\_data group by Country\_name;

5

6-- 2. Find the number of persons in each country sorted from high to low.

7

8• select Country\_name,count(\*)as persons\_count from (select Country\_name from country union all

9select Country\_name from persons)as combined\_data group by Country\_name order by persons\_count desc;

10

11-- 3. Find out an average rating for Persons in respective countries if the average is greater than 3.0

12

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Country_name	persons_count
▶	India	2
	USA	2
	Canada	2
	Australia	2
	China	2

Result 72

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 130	22:54:55	select state,count(Customer_id)as number_of_customers from customer group by State havi...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 131	22:57:07	select Country_name,count(*)as persons_count from (select Country_name from country uni...	13 row(s) returned	0.000 sec / 0.000 sec

Object InfoSession

Query Completed

Local instance MySQL

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Information

D\_41\_SESSION 1

foreign key

time stamp

joins

built in functions

user defined functions

sub queries

views

ASSIGNMENT 8\*

Limit to 200 rows

select Country\_name from persons)as combined\_data group by Country\_name;

-- 2. Find the number of persons in each country sorted from high to low.

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 order by persons\_count desc;

-- 3. Find out an average rating for Persons in respective countries if the average is greater than 3.0

select Country\_name,avg (Rating)as Average\_rating from persons where Rating>3 group by Country\_name;

-- 4. Find the countries with the same rating as the USA. (Use Subqueries)

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Country_name	persons_count
▶	India	2
	USA	2
	Canada	2
	Australia	2
	China	2

Result 73

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	131 22:57:07	select Country_name,count(*)as persons_count from (select Country_name from country uni...	13 row(s) returned	0.000 sec / 0.000 sec
✓	132 22:57:27	select Country_name,count(*)as persons_count from (select Country_name from country uni...	13 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

entry\_d41

Tables

country

Columns

Id

Country\_name

Population

Area

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Schemas

Schema: entry\_d41

Object Info

Session

D\_41\_SESSION 1

foreign key

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user defined functions

sub queries

views

ASSIGNMENT 8

Limit to 200 rows

4

5

6

7

8

9

10

11

12

13

14

15

select Country\_name from persons)as combined\_data group by Country\_name;

-- 2. Find the number of persons in each country sorted from high to low.

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 order by persons\_count desc;

-- 3. Find out an average rating for Persons in respective countries if the average is greater than 3.0

select Country\_name,avg (Rating)as Average\_rating from persons where Rating>3 group by Country\_name;

-- 4. Find the countries with the same rating as the USA. (Use Subqueries)

Result Grid

Filter Rows:

Export:

Wrap Cell Contents:

Country_name	Average_rating
India	4.000000
Germany	3.800000
United Kingdom	4.800000
Australia	5.000000
China	3.500000

Result 74

Read Only

Output

Action Output

#

Time

Action

Message

Duration / Fetch

132

22:57:27

select Country\_name,count(\*)as persons\_count from (select Country\_name from country uni...

13 row(s) returned

0.000 sec / 0.000 sec

133

22:57:42

select Country\_name,avg (Rating)as Average\_rating from persons where Rating>3 group by ...

12 row(s) returned

0.015 sec / 0.000 sec

Query Completed

Local instance MySQL80

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Navigator

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Country\_name

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Information

Schema: entry\_d41

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Limit to 200 rows

10

11-- 3. Find out an average rating for Persons in respective countries if the average is greater than 3.0

12

13• select Country\_name,avg (Rating)as Average\_rating from persons where Rating>3 group by Country\_name;

14

15-- 4. Find the countries with the same rating as the USA. (Use Subqueries)

16• select Country\_name,Rating from persons where Rating in (select Rating from persons where Country\_name='USA') ;

17

18-- 5. Select all countries whose population is greater than the average population of all nations.

19

20• SELECT country\_name, population FROM country WHERE population > (SELECT AVG(population) FROM country);

21

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Country_name	Rating
▶	Australia	5.00
	USA	5.00

persons 75

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 133	22:57:42	select Country_name,avg (Rating)as Average_rating from persons where Rating>3 group by ...	12 row(s) returned	0.015 sec / 0.000 sec
✓ 134	22:57:58	select Country_name,Rating from persons where Rating in (select Rating from persons wher...	2 row(s) returned	0.031 sec / 0.000 sec

Object InfoSession

Query Completed

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Navigator

SCHEMAS

Filter objects

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Information

Schema: entry\_d41

Object Info

Session

D\_41\_SESSION 1 foreign key time stamp joins built in functions user defined functions sub queries views ASSIGNMENT 8\*

Limit to 200 rows

13 • select Country\_name,avg (Rating)as Average\_rating from persons where Rating>3 group by Country\_name;

14

15 -- 4. Find the countries with the same rating as the USA. (Use Subqueries)

16 • select Country\_name,Rating from persons where Rating in (select Rating from persons where Country\_name='USA') ;

17

18 -- 5. Select all countries whose population is greater than the average population of all nations.

19

20 • SELECT country\_name, population FROM country WHERE population > (SELECT AVG(population) FROM country);

21

22

Result Grid

Filter Rows:

Exports

Wrap Cell Content:

country 76

Read Only

country_name	population
India	12000000
USA	10000000
Japan	15000000
New zealand	20000000
United Kingdom	14000000
Germany	25000000

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 134	22:57:58	select Country_name,Rating from persons where Rating in (select Rating from persons wher...	2 row(s) returned	0.031 sec / 0.000 sec
✓ 135	22:58:14	SELECT country_name, population FROM country WHERE population > (SELECT AVG(po...	6 row(s) returned	0.000 sec / 0.000 sec

Query Completed

Local instance MySQL80

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Navigation icons

Navigation tabs: D\_41\_SESSION 1foreign keytime stampjoinsbuilt in functionsuser defined functionssub queriesviewsASSIGNMENT 8\*

Limit to 200 rows

Filter objects

entry\_d41productTablescustomerColumnsCustomer\_idfirst\_nameLast\_nameEmailPhone\_noAddressCityStateZip\_codeCountry

AdministrationSchemas

Schema: entry\_d41

24-- Customer\_Id - Make PRIMARY KEY First\_name Last\_name Email Phone\_no Address City State Zip\_code Country

25#CREATE A DATABASE Product;

26• CREATE DATABASE Product;

27• USE Product;

28

29• CREATE TABLE Customer (Customer\_id int primary key,first\_name varchar(30) not null ,

30Last\_name varchar(30) not null,Email varchar(30) not null, Phone\_no varchar(10) not null unique,Address varchar(50) ,City varchar(30) not null,

31State varchar(30) not null ,Zip\_code int not null ,Country varchar(30) not null);

32

33• desc Customer;

Result Grid

Filter Rows:

Edit:Export/Import:Wrap Cell Content:

	Customer_id	first_name	Last_name	Email	Phone_no	Address	City	State	Zip_code	Country
▶	1	Ajay	cr	ajaycr@98@gmail.com	8129267101	Abc road	calicut	kerala	676507	india
	2	john	kin	john123@gmail.com	2222222222	voys villa	texas	california	452145	USA
	3	keira	kom	keira12@gmail.com	1201453254	moad road	capetown	south africa	142541	south africa
	4	Franco	harsh	harsh245@gmail.com	2132457895	harsh house	vibrong	randers	124532	Denmark
	5	marco	ben	marcoben@gmail.com	7895476312	marco villa	melbourne	albury	1214	Australia
	6	arun	raj	arun78@gmail.com	4125657841	heaven house	senhupuram	vijayawada	124578	India
	7	jacky	jim	jim1245@gmail.com	1245785495	jacky villa	tinwan	kinwan	789874	Taipei
	8	nerone	insen	insen1245@gmail.com	33226688	insen house	knchi	kerala	624512	India

Customer 77

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	136 22:59:17	USE Product	0 row(s) affected	0.000 sec
✓	137 22:59:39	select * from Customer LIMIT 0, 200	10 row(s) returned	0.000 sec / 0.000 sec

Object InfoSession

Query Completed

SQL Developer interface showing a query window and a result grid.

**Navigator:** Schemas, Filter objects, entry\_d41, product, Tables, customer, Columns, Customer\_id, first\_name, Last\_name, Email, Phone\_no, Address, City, Administration, Schemas.

**Query Window (D\_41\_SESSION 1):**

```
43 (8,'geroge','joseph','joseph1245@gmail.com',0033226688,'joseph house','kochi','kerala',624512,'india'),
44 (9,'muhammed','abhaan','muhammed1234@gmail.com',2451657845,'muhammed man11','sharjah','Al deira',120245,'UAE'),
45 (10,'akail','chang','akail124@gmail.com',8978451425,'d kong road','shanghai','chanchu',789814,'china');
46
47 • select * from Customer;
48 -- 1. Create a view named customer_info for the Customer table that displays Customer's Full name and email address.
49 -- Then perform the SELECT operation for the customer_info view.
50 • CREATE VIEW customer_info AS SELECT first_name,Last_name,Email from customer;
51 • select * from customer_info;
52
```

**Result Grid:**

first_name	Last_name	Email
Ajay	cr	ajaycraru98@gmail.com
john	kin	john123@gmail.com
keira	kom	keira12@gmail.com
Franco	harsh	harsh245@gmail.com
marco	ben	marcoben@gmail.com
arun	raj	arun78@gmail.com
jacky	jm	jm1245@gmail.com
nanana	ncenrh	ncenrh1745@gmail.com

**customer\_info 78**

**Output:**

#	Time	Action	Message	Duration / Fetch
137	22:59:39	select *from Customer LIMIT 0, 200	10 row(s) returned	0.000 sec / 0.000 sec
138	22:59:59	select *from customer_info LIMIT 0, 200	10 row(s) returned	0.000 sec / 0.000 sec

Query Completed

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

entry\_d41

product

Tables

customer

Columns

- Customer\_id
- first\_name
- Last\_name
- Email
- Phone\_no
- Address
- City

Administration Schemas

Information

Schema: entry\_d41

D\_41\_SESSION 1 foreign key time stamp joins built in functions user defined functions sub queries views ASSIGNMENT 8\*

Limit to 200 rows

```
49 -- Then perform the SELECT operation for the customer_info view.
50 • CREATE VIEW customer_info AS SELECT first_name,Last_name,Email from customer;
51 • select * from customer_info;
52
53 -- 2. Create a view named US_Customers that displays customers located in the US.
54 • CREATE VIEW US_Customers AS SELECT Customer_id,first_name,Last_name,Phone_no,Country FROM customer where country='USA' ;
55 • select * from US_Customers;
56
57 -- 3. Create another view named Customer_details with columns full name(Combine first_name and last_name), email, phone_no, and state.
58 • CREATE VIEW Customer_details AS SELECT CONCAT(first_name, ' ', last_name) AS full name, email,phone no,state FROM customer;
```

Result Grid

	Customer_id	first_name	Last_name	Phone_no	Country
▶	2	john	kin	222222222	USA

US\_Customers 79 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	138 22:59:59	select * from customer_info LIMIT 0, 200	10 row(s) returned	0.000 sec / 0.000 sec
✓	139 23:00:25	select * from US_Customers LIMIT 0, 200	1 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

Query Completed



Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

entry\_d41

product

Tables

customer

Columns

Customer\_id

first\_name

Last\_name

Email

Phone\_no

Address

City

Administration Schemas

Information

Schema: entry\_d41

Object Info Session

D\_41\_SESSION 1 foreign key time stamp joins built in functions user defined functions sub queries views ASSIGNMENT 8 x

Limit to 200 rows

52

53 -- 2. Create a view named US\_Customers that displays customers located in the US.

54 CREATE VIEW US\_Customers AS SELECT Customer\_id,first\_name,Last\_name,Phone\_no,Country FROM customer where country='USA' ;

55 select \* from US\_Customers;

56

57 -- 3. Create another view named Customer\_details with columns full name(Combine first\_name and last\_name), email, phone\_no, and state.

58 CREATE VIEW Customer\_details AS SELECT CONCAT(first\_name, ' ', last\_name) AS full\_name, email,phone\_no,state FROM customer;

59 select \* from Customer\_details;

60

61

Result Grid

Filter Rows:

Export:

Wrap Cell Content: 1a

	full_name	email	phone_no	state
▶	Ajay ar	ajaycraju98@gmail.com	8129267101	kerala
	john kin	john123@gmail.com	2222222222	california
	keira lom	keira12@gmail.com	1201453254	south africa
	Franco harsh	harsh245@gmail.com	2132457895	randers
	marco ben	marcoben@gmail.com	7895476312	abury
	arun raj	arun78@gmail.com	4125657841	vijayawada
	jacky jim	jim1245@gmail.com	1245785495	knwan
	nerenna theenhi	theenhi1245@gmail.com	133266688	kerala

Customer\_details 60 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	139	23:00:25	select * from US_Customers LIMIT 0, 200	1 row(s) returned 0.016 sec / 0.000 sec
✓	140	23:00:42	select * from Customer_details LIMIT 0, 200	10 row(s) returned 0.000 sec / 0.000 sec

Query Completed

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigation

D\_41\_SESSION 1foreign keytime stampjoinsbuilt in functionsuser defined functionssub queriesviewsASSIGNMENT 8\*

Limit to 200 rows

SCHEMAS

Filter objects

entry\_d41productTablescustomerColumnsCustomer\_idfirst\_nameLast\_nameEmailPhone\_noAddressCityAdministrationSchemas

Information

Schema: entry\_d41

57-- 3. Create another view named Customer\_details with columns full name(Combine first\_name and last\_name), email, phone\_no, and state.

58• CREATE VIEW Customer\_details AS SELECT CONCAT(first\_name, ' ', last\_name) AS full\_name, email,phone\_no,state FROM customer;

59• select \* from Customer\_details;

60

61

62-- 4. Update phone numbers of customers who live in California for Customer\_details view.

63• UPDATE Customer\_details SET Phone\_no='3333333333'WHERE State='California';

64• select \* from Customer\_details;

65

66

Result Grid

Filter Rows:

Export:

Wrap Cell Contents: I

	full_name	email	phone_no	state
▶	Ajay cr	ajaycraju98@gmail.com	8129267101	kerala
	john kin	john123@gmail.com	3333333333	california
	keira kom	keira12@gmail.com	1201453254	south africa
	Franco harsh	harsh245@gmail.com	2132457895	randers
	marco ben	marcoben@gmail.com	7895476312	albury
	arun raj	arun78@gmail.com	4125657841	vijayawada
	jacky jim	jim1245@gmail.com	1245785495	kinwan
	perone incenh	insenh1245@rmail.com	33276688	kerala

Customer\_details 81 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 141	23:01:25	UPDATE Customer_details SET Phone_no='3333333333'WHERE State='California'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.063 sec
✓ 142	23:01:28	select * from Customer_details LIMIT 0, 200	10 row(s) returned	0.000 sec / 0.000 sec

Object InfoSessionQuery Completed

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

entry\_d41

product

Tables

customer

Columns

Customer\_id

first\_name

Last\_name

Email

Phone\_no

Address

City

Administration

Schemas

Information

Schema: entry\_d41

D\_41\_SESSION 1foreign keytime stampjoinsbuilt in functionsuser defined functionssub queriesviewsASSIGNMENT 8\*

Limit to 200 rows

60

61

62-- 4. Update phone numbers of customers who live in California for Customer\_details view.

63• UPDATE Customer\_details SET Phone\_no='3333333333'WHERE State='California';

64• select \* from Customer\_details;

65

66

67-- 5. Count the number of customers in each state and show only states with more than 5 customers. 0

68• select state,count(Customer\_id)as number\_of\_customers from customer group by State having count(Customer\_id)>5;

69

Result Grid

Filter Rows:

Export

Wrap Cell Content

state	number_of_customers
-------	---------------------

Result 82

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Feich
✓ 142	23:01:28	select *from Customer_details LIMIT 0, 200	10 row(s) returned	0.000 sec / 0.000 sec
✓ 143	23:01:55	select state,count(Customer_id)as number_of_customers from customer group by State havi...	0 row(s) returned	0.000 sec / 0.000 sec

Object InfoSession

Query Completed

Local instance MySQL 8.0

File Edit View Query Database Server Tools Scripting Help

Navigator D\_41\_SESSION 1 foreign key time stamp joins built in functions user defined functions sub queries views ASSIGNMENT 8

**SCHEMAS**

Filter objects

- entry\_d41
  - product
    - Tables
      - customer
        - Columns
          - Customer\_id
          - first\_name
          - Last\_name
          - Email
          - Phone\_no
          - Address
          - City

Administration Schemas

Information Schema

Schema: entry\_d41

```
63 • UPDATE Customer_details SET Phone_no='3333333333'WHERE State='California';
64 • select * from Customer_details;
65
66
67 -- 5. Count the number of customers in each state and show only states with more than 5 customers. 0
68 • select state,count(Customer_id)as number_of_customers from customer group by State having count(Customer_id)>5;
69
70 -- 6. Write a query that will return the number of customers in each state, based on the "state" column in the "customer_details" view.
71 • SELECT state, COUNT(*)AS NO_OF_CUSTOMERS FROM Customer_details GROUP BY state;_
72
```

Result Grid

state	NO_OF_CUSTOMERS
kerala	2
california	1
south africa	1
randers	1
albury	1
vijayawada	1
kinwan	1
Al Africa	1

Result 83

Output

Action Output

#	Time	Action	Message	Duration / Fetch
143	23:01:55	select state,count(Customer_id)as number_of_customers from customer group by State havi...	0 row(s) returned	0.000 sec / 0.000 sec
144	23:02:04	SELECT state, COUNT(*)AS NO_OF_CUSTOMERS FROM Customer_details GROUP BY s...	5 row(s) returned	0.016 sec / 0.000 sec

Query Completed

File Edit View Query Database Server Tools Scripting Help

Navigation: D\_41\_SESSION 1 foreign key time stamp joins built in functions user defined functions sub queries views ASSIGNMENT 8\*

**SCHEMAS**

Filter objects

entry\_d41

product

Tables

customer

Columns

- Customer\_id
- first\_name
- Last\_name
- Email
- Phone\_no
- Address
- City

Administration Schemas

Information:

Schema: entry\_d41

```
66
67 -- 5. Count the number of customers in each state and show only states with more than 5 customers. 0
68 • select state,count(Customer_id)as number_of_customers from customer group by State having count(Customer_id)>5;
69
70 -- 6. Write a query that will return the number of customers in each state, based on the "state" column in the "customer_details" view.
71 • SELECT state, COUNT(*)AS NO_OF_CUSTOMERS FROM Customer_details GROUP BY state;
72
73 -- 7. Write a query that returns all the columns from the "customer_details" view, sorted by the "state" column in ascending order.
74 • SELECT * FROM customer_details ORDER BY State ASC;
75
```

Result Grid

	full_name	email	phone_no	state
▶	muhammed abhaan	muhammed1234@gmail.com	2451657845	Al deira
	marco ben	marcoben@gmail.com	7895476312	albury
	john kin	john123@gmail.com	3333333333	california
	akai chang	akai124@gmail.com	8978451425	chanchu
	Ajay cr	ajaycraju98@gmail.com	8129267101	kerala
	geroge joseph	joseph1245@gmail.com	33226688	kerala
	jacky jim	jim1245@gmail.com	1245785495	kinwan
	Franno harch	harch745@gmail.com	717457895	randere

customer\_details 84 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 144	23:02:04	SELECT state, COUNT(*)AS NO_OF_CUSTOMERS FROM Customer_details GROUP BY s...	9 row(s) returned	0.016 sec / 0.000 sec
✓ 145	23:02:24	SELECT * FROM customer_details ORDER BY State ASC LIMIT 0, 200	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed