

Local instance: mydatabase

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

entri_d41

Tables

customers

dance_students

employees

managers

music_students

orders

parent_name

participants

players

products

selected_students

Administration Schemas

Information

No object selected

sql1 sql2 sql joins* Sql assignment 5 Sql assignment 4 built in fn user_defined_fn subquery Sql assignment6* SQL assignment 7

Limit to 1000 rows

1 Create table country (Id int not null primary key, Country_name varchar(15) not null, Population int not null, Area int not null);

2

3

4 desc country;

5

6 create table Persons(Id int not null primary key, Fname varchar(15) not null ,

Result Grid

Filter Rows:

Exports

Wrap Cell Contents:

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

Result 1 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	19:54:44	Create table country (Id int not null primary key, Country_name varchar(15) not null, Population int not null, Area int ...	0 row(s) affected	0.016 sec
2	19:54:47	desc country	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

- customers
- dance_students
- emoloyees
- employees
- managers
- music_students
- orders
- parent_name
- participants
- players
- products
- selected_students

Administration Schemas

No object selected

Object Info Session

sql1 sql2 sql joins* Sql assignment 5 Sql assignment 4 built in fn user_defined_fn subquery Sql assignment6* SQL assignment 7

Limit to 1000 rows

```
6 * create table Persons(Id int not null primary key,Fname varchar(15) not null ,
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
```

Result Grid

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	

Result 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	19:54:44	Create table country (Id int not null primary key, Country_name varchar(15) not null, Population int not null,Area int ...	0 row(s) affected	0.016 sec
2	19:54:47	desc country	4 row(s) returned	0.000 sec / 0.000 sec
3	19:54:59	create table Persons(Id int not null primary key,Fname varchar(15) not null , Lname varchar(15)not null,Population I...	0 row(s) affected	0.015 sec
4	19:55:02	desc persons	7 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator [www.mysql.com/doc/relnotes/mysql/8.0/en](#)

SCHEMAS

Filter objects

▼ **entri_d41**

▼ Tables

- customers
- dance_students
- employees
- employees
- managers
- music_students
- orders
- parent_name
- participants
- players
- products
- selected_students

Administration Schemas

Information

No object selected

Object Info Session

sql1 sql2 sql joins* Sql assignment 5 Sql assignment 4 built in fn user_defined_fn subquery **Sql assignment6*** SQL assignment 7

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
*	NULL	NULL	NULL	NULL

country 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
2	19:54:47	desc country	4 row(s) returned	0.000 sec / 0.000 sec
3	19:54:59	create table Persons(Id int not null primary key,Fname varchar(15) not null , Lname varchar(15)not null,Populatio...	0 row(s) affected	0.015 sec
4	19:55:02	desc persons	7 row(s) returned	0.000 sec / 0.000 sec
5	19:55:14	insert into Country(Id,Country_name,Population,Area)values (200,'China' , 1400000, 9600000) . (201,'India', 140...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
6	19:55:15	select * from country 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

SCHMAS

Filter objects

entri_d41

Tables

customers

dance_students

employees

employees

managers

music_students

orders

parent_name

participants

players

products

selected_students

Administration

Schemas

No object selected

sql1

sql2

sql joins*

Sql assignment 5

Sql assignment 4

built in fn

user_defined_fn

subquery

Sql assignment6*

SQL assignment 7

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

Filter Rows:

Edit

Export/Import

Wrap Cell Content

Id

Fname

Lname

Population

Rating

Country_id

Country_name

205

John

Doe

10000

4.5

US

United states

206

Jane

Smith

9000

3.8

CA

Canada

207

Michael

Johnson

800000

4.2

AU

Australia

208

Emily

Davis

7000

4

CA

Canada

209

Ethan

Lee

9000

4.7

CN

China

210

Olivia

Martinez

600000

3.9

US

United states

211

Ava

Williams

12000

4.8

UK

UK

212

Sophia

Alex

400000

3.7

IN

India

213

Isabella

Jones

15000

4.9

JP

Japan

214

Liam

Miller

30000

3.6

MX

Mexico

PERSONS 4

Output

Action Output

#

Time

Action

Message

Duration / Fetch

4

19:55:02

desc persons

7 row(s) returned

0.000 sec / 0.000 sec

5

19:55:14

insert into Country(Id,Country_name,Population,Area)values (200,'China', 1400000, 9600000); (201,'India', 140...

10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0

0.000 sec

6

19:55:15

select * from country LIMIT 0, 1000

10 row(s) returned

0.000 sec / 0.000 sec

7

19:55:25

insert into persons(Id,Fname,Lname,Population,Rating,Country_id,Country_name)values (205,'John', 'Doe', 1000...

10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0

0.000 sec

8

19:55:28

SELECT * FROM PERSONS 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

SCHEMAS

Filter objects

▼ entri_d41

▼ Tables

- customers
- dance_students
- employees
- employees
- managers
- music_students
- orders
- parent_name
- participants
- players
- products
- selected_students

Administration Schemas Information

No object selected

sql1 sql2 sql joins* Sql assignment 5 Sql assignment 4 built in fn user_defined_fn subquery Sql assignment6* SQL assignment 7

Limit to 1000 rows

```
-- inner join
45
46 • select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Population,p.Rating from country as c inner join
47 persons as p on c.Id=p.Id;
48
49 -- left join
50 • select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Country_name,p.Rating from country as c left join
```

Result Grid

	Id	Country_name	Population	Id	Fname	Population	Rating
▶	205	Pakistan	2350000	205	John	10000	4.5
▶	206	Nigeria	21800	206	Jane	9000	3.8
▶	207	Bangladesh	80000	207	Michael	800000	4.2
▶	208	Russia	1440000	208	Emily	7000	4
▶	209	Australia	260000	209	Ethan	9000	4.7

Result 5 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 5	19:55:14	insert into Country(Id, Country_name, Population, Area) values (200, 'China', 1400000, 9600000), (201, 'India', 140...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
✓ 6	19:55:15	select * from country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 7	19:55:25	insert into persons(Id, Fname, Lname, Population, Rating, Country_Id, Country_name) values (205, 'John', 'Doe', 1000...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
✓ 8	19:55:28	SELECT * FROM PERSONS LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 9	19:55:40	select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Population,p.Rating from country as c inner join person...	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

entri_d41

Tables

customers

dance_students

employees

employees

managers

music_students

orders

parent_name

participants

players

products

selected_students

Administration

Schemas

No object selected

sql1sql2sql joins*Sql assignment 5Sql assignment 4built in fnuser_defined_fnsubquerySql assignment6*SQL assignment 7

Limit to 1000 rows

48

49-- left join

50select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Country_name,p.Rating from country as c left join

51persons as p on c.Country_name=p.Country_name;

52

53-- right join

Result Grid

Filter Rows

Export

Wrap Cell Contents

	Id	Country_name	Population	Id	Fname	Country_name	Rating
▶	200	China	1400000	209	Ethan	China	4.7
	201	India	1400000	212	Sophia	India	3.7
	202	United States	335000	210	Olivia	United states	3.9
	202	United States	335000	205	John	United states	4.5
	203	Indonesia	277000				
	204	Brazil	215000				
	205	Pakistan	2350000				
	206	Nigeria	21800				
	207	Bangladesh	80000				
	208	Russia	1440000				
	209	Australia	260000	207	Michael	Australia	4.2

Result Grid

Form Editor

Field Types

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

Schemas

Filter objects

entri_d41

Tables

customers

dance_students

employees

employees

managers

music_students

orders

parent_name

participants

players

products

selected_students

Administration

Schemas

No object selected

sql1

sql2

sql joins*

Sql assignment 5

Sql assignment 4

built in fn

user_defined_fn

subquery

Sql assignment6*

SQL assignment 7

51

persons as p on c.Country_name=p.Country_name;

52

53

-- right join

54

select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Country_name,p.Rating from country as c right join

55

persons as p on c.Country_name=p.Country_name;

56

Result Grid

Filter Rows:

Exports

Wrap Cell Content:

Id

Country_name

Population

Id

Fname

Country_name

Rating

202

United States

335000

205

John

United states

4.5

206

206

Jane

Canada

3.8

209

Australia

260000

207

Michael

Australia

4.2

208

208

Emily

Canada

4

200

China

1400000

209

Ethan

China

4.7

202

United States

335000

210

Olivia

United states

3.9

211

211

Ava

UK

4.8

201

India

1400000

212

Sophia

India

3.7

213

213

Isabella

Japan

4.9

214

214

Uiam

Mexico

3.6

Result 7

Read Only

Output

Action Output

#

Time

Action

Message

Duration / Fetch

7

19:55:25

Insert into persons(Id,Fname,Lname,Population,Rating,Country_id,Country_name)values (205,'John','Doe',1000...

10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0

0.000 sec

8

19:55:28

SELECT * FROM PERSONS LIMIT 0, 1000

10 row(s) returned

0.000 sec / 0.000 sec

9

19:55:40

select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Population,p.Rating from country as c inner join person...

5 row(s) returned

0.000 sec / 0.000 sec

10

19:55:50

select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Country_name,p.Rating from country as c left join pers...

11 row(s) returned

0.000 sec / 0.000 sec

11

19:56:35

select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Country_name,p.Rating from country as c right join per...

10 row(s) returned

0.000 sec / 0.000 sec

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

sql1 sql2 sql joins* Sql assignment 5 Sql assignment 4 built in fn user_defined_fn subquery **Sql assignment6*** SQL assignment 7

Limit to 1000 rows

```
55 persons as p on c.Country_name=p.Country_name;
56
57 -- (2)List all distinct country names from both the Country and Persons tables.
58 • select Country_name from country union
59 select Country_name from persons;
60
```

Result Grid

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

Administration Schemas

No object selected

Information

Result 8 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
8	19:55:28	SELECT * FROM PERSONS LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
9	19:55:40	select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Population,p.Rating from country as c inner join person...	5 row(s) returned	0.000 sec / 0.000 sec
10	19:55:50	select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Country_name,p.Rating from country as c left join pers...	11 row(s) returned	0.000 sec / 0.000 sec
11	19:56:35	select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Country_name,p.Rating from country as c right join per...	10 row(s) returned	0.000 sec / 0.000 sec
12	19:56:47	select Country_name from country union select Country_name from persons	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: Filter objects

entri_d41

- Tables
 - customers
 - dance_students
 - employees
 - employees
 - managers
 - music_students
 - orders
 - parent_name
 - participants
 - players
 - products
 - selected_students

Administration Schemas

No object selected

sql1 sql2 sql joins* Sql assignment 5 Sql assignment 4 built in fn user_defined_fn subquery **Sql assignment6*** SQL assignment 7

Limit to 1000 rows

```
59 select Country_name from persons;
60
61 -- (3)List all country names from both the Country and Persons tables, including duplicates.
62 * select Id,Country_name from country union all
63 select Id,Country_name from persons;
64
```

Result Grid

	Id	Country_name
▶	200	China
	201	India
	202	United States
	203	Indonesia
	204	Brazil
	205	Pakistan
	206	Nigeria
	207	Bangladesh
	208	Russia
	209	Australia
	205	United states
	206	Canada
	207	Australia
	208	Canada

Result 9 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
9	19:55:40	select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Population,p.Rating from country as c inner join person...	5 row(s) returned	0.000 sec / 0.000 sec
10	19:55:50	select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Country_name,p.Rating from country as c left join pers...	11 row(s) returned	0.000 sec / 0.000 sec
11	19:56:35	select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Country_name,p.Rating from country as c right join per...	10 row(s) returned	0.000 sec / 0.000 sec
12	19:56:47	select Country_name from country union select Country_name from persons	14 row(s) returned	0.000 sec / 0.000 sec
13	19:56:59	select Id,Country_name from country union all select Id,Country_name from persons	20 row(s) returned	0.015 sec / 0.000 sec

Output Info

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

entri_d41

Tables

- customers
- dance_students
- employees
- employees
- managers
- music_students
- orders
- parent_name
- participants
- players
- products
- selected_students

Administration Schemas

Information

No object selected

sql1 sql2 sql joins* Sql assignment 5 Sql assignment 4 built in fn user_defined_fn subquery Sql assignment6* SQL assignment 7

Limit to 1000 rows

```
62 • select Id,Country_name from country union all
63 select Id,Country_name from persons;
64
65 -- (4)Round the ratings of all persons to the nearest integer in the Persons table.
66 • select FName,Lname,Rating ,round(Rating,0 ) as Rounded_rating from persons;
67
```

Result Grid

Fname	Lname	Rating	Rounded_rating
John	Doe	4.5	4
Jane	Smith	3.8	4
Michael	Johnson	4.2	4
Emily	Davis	4	4
Ethan	Lee	4.7	5
Olivia	Martinez	3.9	4
Ava	Williams	4.8	5
Sophia	Alex	3.7	4
Isabella	Jones	4.9	5
Liam	Miller	3.6	4

Exports

Wrap Cell Content: 15

Result 10 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 10	19:55:50	select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Country_name,p.Rating from country as c left join pers...	11 row(s) returned	0.000 sec / 0.000 sec
✓ 11	19:56:35	select c.Id,c.Country_name,c.Population,p.Id,p.Fname,p.Country_name,p.Rating from country as c right join per...	10 row(s) returned	0.000 sec / 0.000 sec
✓ 12	19:56:47	select Country_name from country union select Country_name from persons	14 row(s) returned	0.000 sec / 0.000 sec
✓ 13	19:56:59	select Id,Country_name from country union all select Id,Country_name from persons	20 row(s) returned	0.015 sec / 0.000 sec
✓ 14	19:57:10	select FName,Lname,Rating ,round(Rating,0) as Rounded_rating from persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session