

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Limit to 1000 rows

SQL assignment 7

To_do_activity

views

Navigation

Filter objects

dance_students

employees

employees

managers

music_students

orders

parent_name

participants

players

products

selected_students

student

student_name

Administration

Schemas

No object selected

Result Grid

Filter Rows:

Export:

Wrap Cell Contents: 12

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

Result 4

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
18	22:50:59	select Id,Fname,calculate_age(DOB) from persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
19	22:51:34	drop table persons	0 row(s) affected	0.015 sec
20	22:51:42	drop table country	0 row(s) affected	0.000 sec
21	22:51:52	Create table country (Id int not null primary key, Country_name varchar(15) not null, Population int not null,Area in...	0 row(s) affected	0.015 sec
22	22:51:56	desc country	4 row(s) returned	0.016 sec / 0.000 sec

Object Info

Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

- dance_students
- employees
- employees
- managers
- music_students
- orders
- parent_name
- participants
- players
- products
- selected_students
- student
- student_name

Administration Schemas

Information

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery SQL assignment 7 To_do_activity views

Limit to 1000 rows

```
5
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;
```

Result Grid

Field	Type	Null	Key	Default	Extra
Id	int	NO	PK		
Fname	varchar(15)	NO			
Lname	varchar(15)	NO			
Population	int	NO			
Rating	float	NO			
Country_id	varchar(5)	NO			
Country_name	varchar(20)	NO			

Result 5 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
20	22:51:42	drop table country	0 row(s) affected	0.000 sec
21	22:51:52	Create table country (Id int not null primary key, Country_name varchar(15) not null, Population int not null,Area in...	0 row(s) affected	0.015 sec
22	22:51:56	desc country	4 row(s) returned	0.016 sec / 0.000 sec
23	22:52:14	create table Persons(Id int not null primary key,Fname varchar(15) not null , Lname varchar(15)not null,Populatio...	0 row(s) affected	0.016 sec
24	22:52:15	desc persons	7 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 SQL assignment 7 To_do_activity views

SCHEMAS

Filter objects

- dance_students
- emoloyees
- employees
- managers
- music_students
- orders
- parent_name
- participants
- plays
- products
- selected_students
- student
- student_name

Administration Schemas

Information

No object selected

Limit to 1000 rows

```
21 (206,'Nigeria',21800, 923768 ),
22 (207,'Bangladesh',80000, 148571) ,
23 (208,'Russia',1440000, 17125191 ),
24 (209,'Australia',260000,7692024 );
25
26 * select * from country;
```

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
*	2000	00000	00000	00000

country 6 x

Apply Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
22	22:51:56	desc country	4 row(s) returned	0.016 sec / 0.000 sec
23	22:52:14	create table Persons(id int not null primary key,fname varchar(15) not null , lname varchar(15)not null.Populatio...	0 row(s) affected	0.016 sec
24	22:52:15	desc persona	7 row(s) returned	0.000 sec / 0.000 sec
25	22:52:27	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
26	22:52:29	select * from country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Local instance MySQL80 x

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Navigator sql1 sql2 sql joins built in fn user_defined_fn subquery SQL assignment 7 To_do_activity views

SCHEMAS

Filter objects

- dance_students
- employees
- employees
- managers
- music_students
- orders
- parent_name
- participants
- players
- products
- selected_students
- student
- student_name

Administration Schemas

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	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 7 x

Apply Revert

Output

#	Time	Action	Message	Duration / Fetch
✓	24 22:52:15	desc persons	7 row(s) returned	0.000 sec / 0.000 sec
✓	25 22:52:27	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
✓	26 22:52:29	select * from country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	27 22:52:39	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
✓	28 22:52:47	SELECT * FROM PERSONS LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigation icons

sql1 sql2 sql joins built in fn user_defined_fn subquery SQL assignment 7 To do activity views

Limit to 1000 rows

SCHEMAS

Filter objects

dance_students

employees

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music_students

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parent_name

participants

players

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selected_students

student

student_name

Administration Schemas

No object selected

39

40 • SELECT * FROM PERSONS;

41

42 -- 1. Add a new column called DOB in Persons table with data type as Date.

43 • ALTER table persons add column DOB date;

44

45 • update persons set DOB='2000-10-24' where id=205;

46 • update persons set DOB='1989-12-21' where id=206;

47 • update persons set DOB='2001-06-24' where id=207;

48 • update persons set DOB='1999-07-31' where id=208;

49 • update persons set DOB='1998-10-30' where id=209;

50 • update persons set DOB='1992-02-07' where id=210;

51 • update persons set DOB='2000-01-14' where id=211;

52 • update persons set DOB='1996-03-24' where id=212;

53 • update persons set DOB='1990-04-12' where id=213;

54 • update persons set DOB='2003-05-13' where id=214;

55

56

57 -- 2. Write a user-defined function to calculate age using DOB.

58 DELIMITER \$\$

59 • CREATE FUNCTION calculate_age(Date_of_birth date)

Output

▼ Action Output

#	Time	Action	Message	Duration / Fetch
25	22:52:27	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
26	22:52:29	select * from country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
27	22:52:39	Insert into persons(id,First_name,Last_name,Population,Rating,Country_id,Country_name)values (205,'John', 'Doe', 1000...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
28	22:52:47	SELECT * FROM PERSONS LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
29	22:52:58	Alter table persons add column DOB date	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.031 sec

Object Info Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

sql1 sql2 sql joins built in fn user_defined_fn subquery SQL assignment 7 To_do_activity views

Limit to 1000 rows

SCHEMAS

Filter objects

- dance_students
- employees
- employees
- managers
- music_students
- orders
- parent_name
- participants
- players
- products
- selected_students
- student
- student_name

Administration Schemas

No object selected

```
39
40 • SELECT * FROM PERSONS;
41
42 -- 1. Add a new column called DOB in Persons table with data type as Date.
43 • ALTER table persons add column DOB date;
44
45 • update persons set DOB='2000-10-24' where id=205;
46 • update persons set DOB='1989-12-21' where id=206;
47 • update persons set DOB='2001-06-24' where id=207;
48 • update persons set DOB='1999-07-31' where id=208;
49 • update persons set DOB='1998-10-30' where id=209;
50 • update persons set DOB='1992-02-07' where id=210;
51 • update persons set DOB='2000-01-14' where id=211;
52 • update persons set DOB='1996-03-24' where id=212;
53 • update persons set DOB='1990-04-12' where id=213;
54 • update persons set DOB='2003-05-13' where id=214;
55
56
57 -- 2. Write a user-defined function to calculate age using DOB.
58 DELIMITER $$
59 • CREATE FUNCTION calculate_age(Date_of_birth date)
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 35	22:53:36	update persons set DOB='1992-02-07' where id=210	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
✓ 36	22:53:36	update persons set DOB='2000-01-14' where id=211	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
✓ 37	22:53:39	update persons set DOB='1996-03-24' where id=212	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
✓ 38	22:53:41	update persons set DOB='1990-04-12' where id=213	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
✓ 39	22:53:42	update persons set DOB='2003-05-13' where id=214	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 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 SQL assignment 7 To_do_activity views

SCHEMAS

Filter objects

- dance_students
- employees
- employees
- managers
- music_students
- orders
- parent_name
- participants
- players
- products
- selected_students
- student
- student_name

Administration Schemas

Information

No object selected

```
54 • update persons set DOB='2003-05-13' where id=214;
55
56
57 -- 2. Write a user-defined function to calculate age using DOB.
58 DELIMITER $$
59 • CREATE FUNCTION calculate_age(Date_of_birth date)
60 RETURNS int
61 DETERMINISTIC
62 BEGIN
63 DECLARE age INT;
64 SET age = timestampdiff(YEAR,Date_of_birth,CURDATE());
65 RETURN age;
66 END $$
67 DELIMITER ;
68
69 • -- 3. Write a select query to fetch the Age of all persons using the function that has been created.
70 select Id,Fname,calculate_age(DOB) from persons;
71
72 -- 4. Find the length of each country name in the Country table.
73 • select Country_name,length(Country_name) as Country_name_length from country;
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	22:54:51	CREATE FUNCTION calculate_age(Date_of_birth date) RETURNS int DETERMINISTIC BEGIN DECLARE age I...	0 row(s) affected	0.016 sec

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

dance_students

employees

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Administration Schemas

Information

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery SQL assignment 7 To_do_activity views

Limit to 1000 rows

SQL assignment 7

-- 3. Write a select query to fetch the Age of all persons using the function that has been created.

70 select Id,Fname,calculate_age(DOB) from persons;

71

-- 4. Find the length of each country name in the Country table.

72

73 select Country_name,length(Country_name) as Country_name_length from country;

74

Result Grid

Filter Rows:

Exports

Wrap Cell Contents

Country_name	Country_name_length
China	5
India	5
United States	13
Indonesia	9
Brazil	6
Pakistan	8
Nigeria	7
Bangladesh	10
Russia	6
Australia	9

Result 9

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	22:54:51	CREATE FUNCTION calculate_age(Date_of_birth date) RETURNS int DETERMINISTIC BEGIN DECLARE age ...	0 row(s) affected	0.016 sec
2	22:55:10	select Id,Fname,calculate_age(DOB) from persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
3	22:55:26	select Country_name,length(Country_name) as Country_name_length from country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

dance_students

employees

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players

products

selected_students

student

student_name

Administration Schemas

Information

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery SQL assignment 7 To_do_activity views

Limit to 1000 rows

72 -- 4. Find the length of each country name in the Country table.

73 • select Country_name,length(Country_name) as Country_name_length from country;

74

75 -- 5. Extract the first three characters of each country's name in the Country table.

76 • select Country_name,substring(Country_name,1,3) as First_3_characters from country;

77

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Country_name	First_3_characters
China	Chi
India	Ind
United States	Uni
Indonesia	Ind
Brazil	Bra
Pakistan	Pak
Nigeria	Nig
Bangladesh	Ban
Russia	Rus
Australia	Aus

Result 10

Output

Action Output

#	Time	Action	Message
✓ 1	22:54:51	CREATE FUNCTION calculate_age(Date_of_birth date) RETURNS int DETERMINISTIC BEGIN DECLARE age ...	0 row(s) affected
✓ 2	22:55:10	select Id,Fname,calculate_age(DOB) from persons LIMIT 0, 1000	10 row(s) returned
✓ 3	22:55:26	select Country_name,length(Country_name) as Country_name_length from country LIMIT 0, 1000	10 row(s) returned
✓ 4	22:55:35	select Country_name,substring(Country_name,1,3) as First_3_characters from country LIMIT 0, 1000	10 row(s) returned

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

dance_students

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Administration Schemas

No object selected

sql1 sql2 sql joins built in fn user_defined_fn subquery SQL assignment 7 To_do_activity views

Limit to 1000 rows

SQL assignment 7

76 • select Country_name,substring(Country_name,1,3) as First_3_characters from country;

77

78 -- 6. Convert all country names to uppercase and lowercase in the Country table.

79 • select Country_name,UPPER(Country_name) as Upper_case ,

80 LOWER(Country_name) as Lower_case from country;

81

Result Grid

Filter Rows

Exports

Wrap Cell Contents

Country_name	Upper_case	Lower_case
China	CHINA	china
India	INDIA	india
United States	UNITED STATES	united states
Indonesia	INDONESIA	indonesia
Brazil	BRAZIL	brazil
Pakistan	PAKISTAN	pakistan
Nigeria	NIGERIA	nigeria
Bangladesh	BANGLADESH	bangladesh
Russia	RUSSIA	russia
Australia	AUSTRALIA	australia

Result 11

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	22:54:51	CREATE FUNCTION calculate_age(Date_of_birth date) RETURNS int DETERMINISTIC BEGIN DECLARE age ...	0 row(s) affected	0.016 sec
2	22:55:10	select Id,Fname calculate_age(DOB) from persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
3	22:55:26	select Country_name,length(Country_name) as Country_name_length from country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
4	22:55:35	select Country_name,substring(Country_name,1,3) as First_3_characters from country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
5	22:55:48	select Country_name,UPPER(Country_name) as Upper_case , LOWER(Country_name) as Lower_case from cou...	10 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session