

ASSIGNMENT 01

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The screenshot displays a database management interface with two queries and their results.

Query 1:

```
select o.order_date,o.order_id,c.first_name,s.name,os.name from orders o
inner join customers c
on o.customer_id = c.customer_id
inner join shippers s
on s.shipper_id = o.shipper_id
inner join order_statuses os
on os.order_status_id = o.status;
```

Result Grid:

order_id	order_date	first_name	last_name	name
10	2018-04-22	Erika	Twiddell	Shipped
9	2017-07-05	Levy	Mynett	Shipped
7	2018-09-22	Ines	Brushfield	Shipped
5	2017-08-25	Clennie	Betchley	Shipped
2	2018-08-02	Ilene	Dowson	Shipped

Query 2:

```
Select p.date,i.invoice_id,p.amount,c.name,pm.name from payments p
inner join clients c
using (client_id)
inner join invoices i
using (invoice_id)
inner join payment_methods pm
on p.payment_method = pm.payment_method_id ;
```

Result Grid:

date	invoice_id	amount	name	name
2019-02-12	2	8.18	Topidounge	Credit Card
2019-01-03	6	74.55	Witte	Credit Card
2019-01-11	11	0.03	Yadel	Credit Card
2019-01-26	13	87.44	Topidounge	Credit Card
2019-01-15	15	80.31	Yadel	Credit Card
2019-01-15	17	68.15	Yadel	Credit Card

Table: orders

Columns: order_id (int AI PK), customer_id (int), order_date (date), status (varchar(2000)), comments (date), shipped_date (smallint), shipper_id (smallint).

evigator: Query 1 orders shippers order_statuses

Filter objects

store

Tables

customers

order_items

order_statuses

orders

Columns

Indexes

Foreign Keys

Triggers

products

shippers

Views

Administration

Schemas

Table: products

Columns:

product_id int AI PK

name varchar(50)

quantity_in_stock int

unit_price decimal(4)

Result Grid

order_id	order_date	first_name	last_name	name
8	2018-06-08	Clemmie	Betchley	Processed
6	2018-11-18	Levy	Mynett	Processed
4	2017-01-22	Dnes	Brushfield	Processed
3	2017-12-01	Thadher	Naseby	Processed
1	2019-01-30	Ella	Twiddell	Processed
1A	2019-04-11	Ella	Twiddell	Chained

Result 12 x

Output

#	Time	Action	Message	Duration / Fetch
17	23:52:51	SELECT p.date,i.invoice_id,p.amount,c.name,pm.name from payments p inner join clients c using (client_id) inner join i...	8 row(s) returned	0.000 sec / 0.000 sec
18	23:54:21	SELECT * FROM store.orders LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
19	23:56:10	select o.order_id,o.order_date,c.first_name,c.last_name,s.name from orders o inner join customers c on o.customer_id = c.customer_id	Error Code: 1146, Table 'Invoicing.orders' doesn't exist	0.000 sec
20	23:56:19	select o.order_id,o.order_date,c.first_name,c.last_name,s.name from orders o inner join customers c on o.customer_id = c.customer_id	5 row(s) returned	0.016 sec / 0.000 sec
21	23:56:53	SELECT * FROM store.shippers LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Query 1 products orders customers order_items

Filter objects

store

Tables

customers

order_items

order_statuses

orders

Columns

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Foreign Keys

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products

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Administration

Schemas

Table: products

Columns:

product_id int AI PK

name varchar(50)

quantity_in_stock int

unit_price decimal(4)

Result Grid

product_id	name	quantity	unit_price
1	Foam Dinner Plate	2	9.10
1	Foam Dinner Plate	4	8.65
1	Foam Dinner Plate	10	6.01
2	Pork - Bacon,back Peameal	3	9.89
2	Pork - Bacon,back Peameal	4	3.28
1A	Foam Dinner Plate	10	0.17

Result 13 x

Output

#	Time	Action	Message	Duration / Fetch
24	23:58:49	SELECT * FROM sql_hr.employees LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
25	23:59:07	SELECT * FROM sql_hr.offices LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
26	00:00:10	SELECT * FROM sql_inventory.products LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
27	00:01:00	SELECT * FROM store.orders LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
28	00:01:52	SELECT * FROM store.customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
29	00:01:57	SELECT * FROM store.order_items LIMIT 0, 1000	18 row(s) returned	0.000 sec / 0.000 sec
30	00:04:06	select p.product_id,p.name,oi.quantity,oi.unit_price from order_items oi inner join products p using (product_id) LIMIT 0, 1000	18 row(s) returned	0.000 sec / 0.000 sec

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

store

Tables

customers

order_items

orders

Columns

Indexes

Foreign Keys

Triggers

Administration Schemas

Information

Table: products

Columns:

product_id int AI PK

name varchar(50)

quantity_in_stock int

unit_price decimal(4)

Query 1 x products orders customers order_items

Limit to 1000 rows

```
30 • select p.product_id,p.name,oi.quantity,oi.unit_price from order_items oi
31 inner join products p
32 using (product_id);
33
34
35 • select o.order_id,c.first_name,c.last_name,c.customer_id from orders o
36 inner join customers c
37 using (customer_id);
38
39
40
```

Result Grid

order_id	first_name	last_name	customer_id
4	Ines	Brushfield	2
7	Ines	Brushfield	2
5	Clemmie	Betchley	5
8	Clemmie	Betchley	5
1	Ella	Twissell	6
11	Ella	Twissell	6

Result 14 x

Output

#	Time	Action	Message	Duration / Fetch
25	23:59:07	SELECT * FROM sq_hr.offices LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 s
26	00:00:10	SELECT * FROM sq_inventory.products LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 s
27	00:01:00	SELECT * FROM store.orders LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 s
28	00:01:52	SELECT * FROM store.customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 s
29	00:01:57	SELECT * FROM store.order_items LIMIT 0, 1000	18 row(s) returned	0.000 sec / 0.000 s
30	00:04:06	select p.product_id,p.name,oi.quantity,oi.unit_price from order_items oi inner join products p using (product_id) LIM...	18 row(s) returned	0.000 sec / 0.000 s

le Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

hr

Tables

employees

hr

offices

Views

Stored Procedures

Functions

sq_inventory

store

sys

Administration Schemas

Information

No object selected

Query 1 x employees hr

Limit to 1000 rows

```
63 • insert into hr(manager) values ('A11');
64
65 • select * from employees e
66 join hr ;
67
68 • select e.employee_id,e.first_name,m.manager from employees e
69 join hr m;
70
71
72
73
```

Result Grid

employee_id	first_name	manager
115357	Ivy	Ali
98374	Estrellita	Ali
96513	Theresa	Ali
95213	Cole	Ali
84791	Hazel	Ali
104670	Michael	Ali

Result 16 x

Output

#	Time	Action	Message	Duration / Fetch
24	00:42:36	insert into hr(manager) values ('A1')	1 row(s) affected	0.110 sec
25	00:42:36	insert into hr(manager) values ('A1')	1 row(s) affected	0.015 sec
26	00:42:36	insert into hr(manager) values ('A1')	1 row(s) affected	0.032 sec
27	00:42:36	insert into hr(manager) values ('A1')	1 row(s) affected	0.031 sec
28	00:42:41	SELECT * FROM sq_hr.hr LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL 5.7

File Edit View Query Database Server Tools Scripting Help

Navigator

SQL File 10* friday class* saturday class* employees customers

Limit to 1000 rows

SCHEMAS

Filter objects

- invoicing
- sql_hr
- sql_inventory
- store**
 - Tables
 - customers
 - order_items
 - order_statuses
 - orders
 - products
 - shippers
 - Views
 - Stored Procedures
 - Functions
- sys

Administration Schemas

Information

Schema: store

```
331
332
333
334
335
336 • select customer_id,first_name,points, 'bronze' as type from customers where points <1000
337 union
338 select customer_id,first_name,points, 'silver' as type from customers where points between 1000 and 2000
339 union
340 select customer_id,first_name,points, 'gold' as type from customers where points >3000;
341
342
343
344
345
```

Result Grid

Filter Rows:

Export: Wrap Cell Contents

customer_id	first_name	points	type
2	Ines	947	bronze
4	Ambar	457	bronze
8	Thacher	205	bronze
10	Levy	796	bronze
7	Ilene	1672	silver
9	Romola	1486	silver
5	Clemie	3675	gold
6	Elka	3073	gold

Result 1 x

Output

Read On