

HW 7.

Task 1

The screenshot shows a database IDE with a schema tree on the left and a SQL editor on the right. The schema tree includes tables like authors, books, borrowed_books, categories, customers, employees, genres, order_details, orders, products, shippers, supplies, users, and views. The SQL editor contains the following queries:

```
212 quantity,  
213 divide_numbers(quantity, 2.5) AS divided_quantity  
214 FROM order_details;  
215  
216 -- Hw 7  
217 -- Task 1  
218  
219 • SELECT  
220 id,  
221 date,  
222 YEAR(date) AS order_year,  
223 MONTH(date) AS order_month,  
224 DAY(date) AS order_day  
225 FROM orders;  
226  
227 -- Task 2  
228 • SELECT  
229 id,  
230 date AS original_date,  
231 DATE_ADD(date, INTERVAL 1 DAY) AS new_date  
232 FROM orders;  
233  
234 -- Task 3  
235 • SELECT  
236 id,  
237 date AS original_date,  
238 UNIX_TIMESTAMP(date) AS timestamp  
239 FROM orders;  
240  
241 -- Task 4
```

The results of the first query (Task 1) are shown in a table with 6 rows:

id	date	order_year	order_month	order_day
10248	1996-07-04	1996	7	4
10249	1996-07-05	1996	7	5
10250	1996-07-08	1996	7	8
10251	1996-07-08	1996	7	8
10252	1996-07-09	1996	7	9
10253	1996-07-10	1996	7	10

The results of the second query (Task 2) are shown in a table with 6 rows:

id	original_date	new_date
10248	1996-07-04	1996-07-05
10249	1996-07-05	1996-07-06
10250	1996-07-08	1996-07-09
10251	1996-07-08	1996-07-09
10252	1996-07-09	1996-07-10
10253	1996-07-10	1996-07-11

The results of the third query (Task 3) are shown in a table with 6 rows:

id	original_date	timestamp
10248	1996-07-04	1996-07-04 00:00:00
10249	1996-07-05	1996-07-05 00:00:00
10250	1996-07-08	1996-07-08 00:00:00
10251	1996-07-08	1996-07-08 00:00:00
10252	1996-07-09	1996-07-09 00:00:00
10253	1996-07-10	1996-07-10 00:00:00

The results of the fourth query (Task 4) are shown in a table with 6 rows:

id	original_date	new_date
10248	1996-07-04	1996-07-05
10249	1996-07-05	1996-07-06
10250	1996-07-08	1996-07-09
10251	1996-07-08	1996-07-09
10252	1996-07-09	1996-07-10
10253	1996-07-10	1996-07-11

Task 2.

The screenshot shows a database IDE with a schema tree on the left and a SQL editor on the right. The schema tree includes tables like authors, books, borrowed_books, categories, customers, employees, genres, order_details, orders, products, shippers, supplies, users, and views. The SQL editor contains the following queries:

```
215  
216 -- Hw 7  
217 -- Task 1  
218  
219 • SELECT  
220 id,  
221 date,  
222 YEAR(date) AS order_year,  
223 MONTH(date) AS order_month,  
224 DAY(date) AS order_day  
225 FROM orders;  
226  
227 -- Task 2  
228 • SELECT  
229 id,  
230 date AS original_date,  
231 DATE_ADD(date, INTERVAL 1 DAY) AS new_date  
232 FROM orders;  
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Task 3.

SCHMAS

Filter objects

hw2

hw3

Tables

authors

books

borrowed_books

categories

customers

employees

genres

order_details

orders

products

shippers

suppliers

users

Views

Stored Procedures

Functions

library_management

new_schemas

sys

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-- Task 3

SELECT

id,

date AS original_date,

UNIX_TIMESTAMP(date) AS timestamp,

FROM orders;

Result Grid

Filter Rows:

Exports

Wrap Cell Contents

15

	id	original_date	timestamp
▶	10248	1996-07-04	836431200.000000
	10249	1996-07-05	836517600.000000
	10250	1996-07-08	836776800.000000
	10251	1996-07-08	836776800.000000
	10252	1996-07-09	836863200.000000
	10253	1996-07-10	836949600.000000
	10254	1996-07-11	837036000.000000

Result 3

×

Output

▼

Action Output

▼

#	Time	Action	Message
1	12:12:01	SELECT id, date, YEAR(date) AS order_year, MONTH(date) AS order_month, DAY(date) AS order_day FROM orders LIMIT 0, 1000	196 row(s) returned
2	12:14:40	SELECT id, date AS original_date, DATE_ADD(date, INTERVAL 1 DAY) AS new_date FROM orders LIMIT 0, 1000	196 row(s) returned
3	12:17:04	SELECT id, date AS original_date, UNIX_TIMESTAMP(date) AS timestamp FROM orders LIMIT 0, 1000	196 row(s) returned

Object Info

Session

Task 4.

SCHMAS

Filter objects

hw2

hw3

Tables

authors

books

borrowed_books

categories

customers

employees

genres

order_details

orders

products

shippers

suppliers

users

Views

Stored Procedures

Functions

library_management

new_schemas

sys

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-- Task 4

SELECT COUNT(*) AS total_rows

FROM orders

WHERE date BETWEEN '1996-07-10 00:00:00' AND '1996-10-08 00:00:00';

Result Grid

Filter Rows:

Exports

Wrap Cell Contents

15

	total_rows
▶	71

Result 4

×

Output

▼

Action Output

▼

#	Time	Action	Message
2	12:14:40	SELECT id, date AS original_date, DATE_ADD(date, INTERVAL 1 DAY) AS new_date FROM orders LIMIT 0, 1000	196 row(s) returned
3	12:17:04	SELECT id, date AS original_date, UNIX_TIMESTAMP(date) AS timestamp FROM orders LIMIT 0, 1000	196 row(s) returned
4	12:19:24	SELECT COUNT(*) AS total_rows FROM orders WHERE date BETWEEN '1996-07-10 00:00:00' AND '1996-10-08 00:00:00' LIMIT 0, 1000	1 row(s) returned

Object Info

Session

Task 5.

Navigation

SCHEMAS

Filter objects

hw2

hw3

Tables

authors

books

borrowed_books

categories

customers

employees

genres

order_details

orders

products

shippers

suppliers

users

Views

Stored Procedures

Functions

library_management

new_schema1

sys

Administration

Schemas

Information

No object selected

Query 1 books

Limit to 1000 rows

-- Task 5

SELECT

id,

date,

JSON_OBJECT('id', id, 'date', date) AS json_object

FROM orders;

Result Grid

Filter Rows

Export

Wrap Cell Contents

id

date

json_object

10248

1996-07-04

["id": 10248, "date": "1996-07-04"]

10249

1996-07-05

["id": 10249, "date": "1996-07-05"]

10250

1996-07-08

["id": 10250, "date": "1996-07-08"]

10251

1996-07-08

["id": 10251, "date": "1996-07-08"]

10252

1996-07-09

["id": 10252, "date": "1996-07-09"]

10253

1996-07-10

["id": 10253, "date": "1996-07-10"]

10254

1996-07-11

["id": 10254, "date": "1996-07-11"]

Output

Action Output

#

Time

Action

Message

3

12:17:04

SELECT id, date AS original_date, UNIX_TIMESTAMP(date) AS timestamp FROM orders LIMIT 0, 1000

196 row(s) returned

4

12:19:24

SELECT COUNT(*) AS total_rows FROM orders WHERE date BETWEEN '1996-07-10 00:00:00' AND '1996-10-08 00:00:00' LIMIT 0, 1000

1 row(s) returned

5

12:21:48

SELECT id, date, JSON_OBJECT(id, id, 'date', date) AS json_object FROM orders LIMIT 0, 1000

196 row(s) returned

Object Info

Session