

Php - - Assignment

Topic – SQL Task-2

TABLE: - sales person

```
CREATE TABLE `salse_person` (  
  `sno` int(10) DEFAULT NULL,  
  `sname` varchar(50) NOT NULL,  
  `city` varchar(50) NOT NULL,  
  `comm` float DEFAULT NULL  
)
```

Insert into —>

```
INSERT INTO `salse_person` (`sno`,  
  `sname`, `city`, `comm`) VALUES  
(1001, 'PEEL', 'LONDON', 0.12),  
(1002, 'SERRES', 'SAN JOSE', 0.13),  
(1003, 'AXELROD', 'NEW YORK', 0.1),  
(1004, 'MOTIKA', 'LONDON', 0.11),  
(1005, 'RAFKIN', 'BARCELONA', 0.15);
```

TABLE – SALES PERSON

SNO	SNAME	CITY	COMM
1001	PEEL	LONDON	0.12
1002	SERRES	SAN JOSE	0.13
1003	AXELROD	NEW YORK	0.1
1004	MOTIKA	LONDON	0.11
1007	RAFKIN	BARCELONA	0.15

TABLE: - customer

```
CREATE TABLE `customer` (  
  `cnm` int(10) DEFAULT NULL,  
  `cname` varchar(50) NOT NULL,  
  `city` varchar(50) NOT NULL,  
  rating int(10) DEFAULT null,  
  sno int(10) not null  
);
```

INSERT INTO —>

```
INSERT INTO
customer (CNM, CNAME, CITY, RATING, SNO)
VALUES
(201, "HOFFMAN", "LONDON", 100, 1001),

(202, "GIOVANE", "ROME", 200, 1003),
                                (203, "LIU", "SAN
JOSE", 300, 1002),

(204, "GRASS", "BARCELONA", 100, 1002),

(206, "CLEMENS", "LONDON", 300, 1007),

(207, "PEREIRA", "OME", 100, 1004);
```

TABLE: - ORDER

```
CREATE TABLE `order_` (
```

```
`ONM` int(10) DEFAULT NULL,  
`AMT` int(10) DEFAULT NULL,  
`ODE` date DEFAULT NULL,  
`CNM` int(10) DEFAULT NULL,  
`SNO` int(10) DEFAULT NULL  
)
```

INSERT INTO →

```
INSERT INTO `order_` (`ONM`, `AMT`,  
`ODE`, `CNM`, `SNO`) VALUES  
(3001, 19, '1994-10-03', 201, 1007),  
(3002, 1900, '1994-10-03', 207, 1004),  
(3003, 767, '1994-10-03', 201, 1001),  
(3005, 3005, '1994-10-03', 203, 1002),  
(3006, 3006, '1994-10-04', 201, 1007),  
(3007, 3007, '1994-10-05', 204, 1002),  
(3008, 3008, '1994-10-05', 206, 1001),  
(3009, 3009, '1994-10-04', 202, 1003),  
(3010, 3010, '1994-10-06', 204, 1002),  
(3011, 3011, '1994-10-06', 206, 1001);
```

ONM	AMT	ODE	CNM	SNO
3001	18.69	1994-10-03	201	1007
3002	1900.1	1994-10-03	207	1004
3003	767.19	1994-10-03	201	1001
3005	3005	1994-10-03	203	1002
3006	3006	1994-10-04	201	1007
3007	3007	1994-10-05	204	1002
3008	3008	1994-10-05	206	1001
3009	3009	1994-10-04	202	1003
3010	3010	1994-10-06	204	1002
3011	3011	1994-10-06	206	1001

a) All orders for more than \$1000.

ANS - -

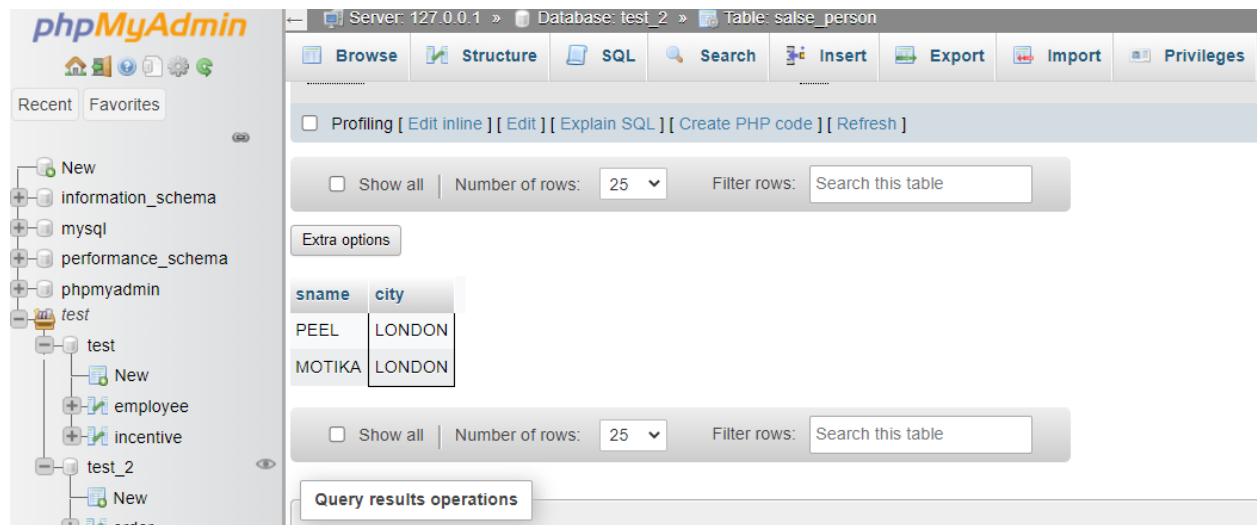
```
SELECT * FROM `order_` WHERE AMT>3000
```

ONM	AMT	ODE	CNM	SNO
3005	3005	1994-10-03	203	1002
3006	3006	1994-10-04	201	1007
3007	3007	1994-10-05	204	1002
3008	3008	1994-10-05	206	1001
3009	3009	1994-10-04	202	1003
3010	3010	1994-10-06	204	1002
3011	3011	1994-10-06	206	1001

b) Names and cities of all salespeople in London with commission above 0.10

Ans - -

```
SELECT sname,city FROM salse_person WHERE
comm>0.10 AND city="london";
```



c) All salespeople either in Barcelona or in London.

Ans - -

```
SELECT * FROM salse_person WHERE city  
IN("london","barcelona");
```

phpMyAdmin

Server: 127.0.0.1 » Database: test_2 » Table: salse_person

Browse Structure SQL Search Insert Export Import Privileges

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

sno	sname	city	comm
1001	PEEL	LONDON	0.12
1004	MOTIKA	LONDON	0.11
1005	RAFKIN	BARCELONA	0.15

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

d) All salespeople with commission between 0.10 and 0.12. (Boundary values should be excluded).

Ans - -

```
SELECT sname,comm FROM salse_person
WHERE comm>0.1 AND comm<0.12;
```

phpMyAdmin

Server: 127.0.0.1 » Database: test_2 » Table: salse_person

Browse Structure SQL Search Insert Export Import Privileges

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

sname	comm
PEEL	0.12
AXELROD	0.1
MOTIKA	0.11

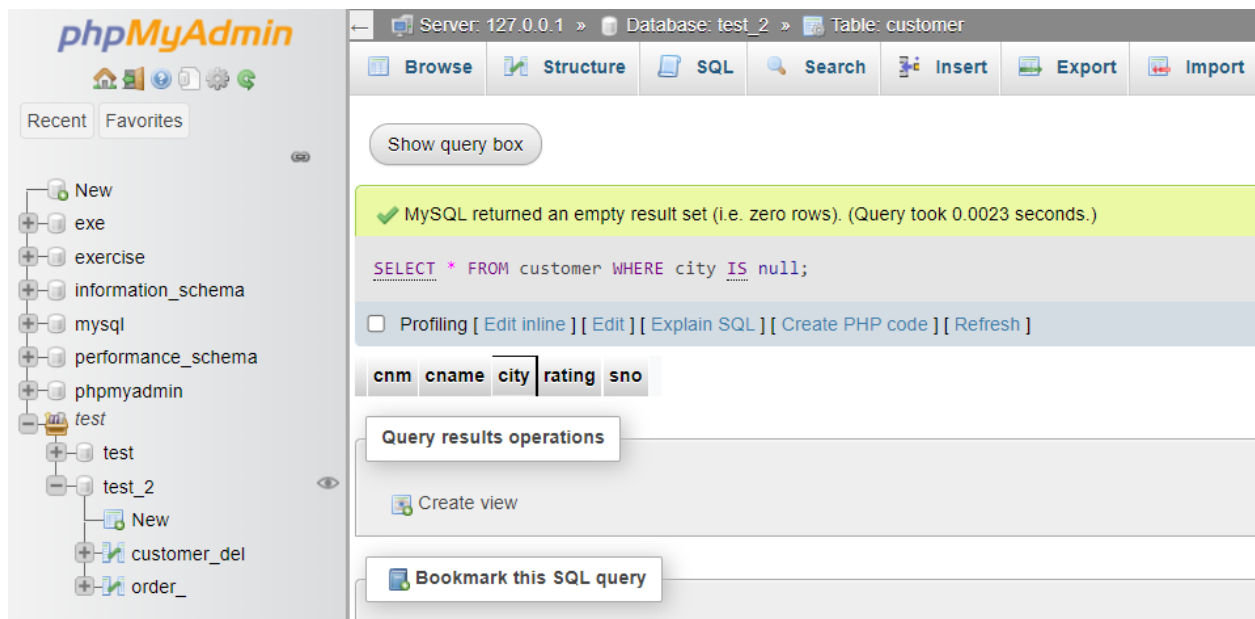
Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

e) All customers with NULL values in city column.

Ans - -

```
SELECT * FROM customer
WHERE city IS null
```



f) All orders taken on Oct 3Rd and Oct 4th 1994

Ans - -

```
SELECT * FROM order_
WHERE ODE>="1994-10-03"
AND ODE<="1994-10-04";
```

Server: 127.0.0.1 » Database: test_2 » Table: order_

[Browse](#)
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 [\[Edit inline \]](#)
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[\[Explain SQL \]](#)
[\[Create PHP code \]](#)
[\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows:

Extra options

ONM	AMT	ODE	CNM	SNO
3001	19	1994-10-03	201	1007
3002	1900	1994-10-03	207	1004
3003	767	1994-10-03	201	1001
3005	3005	1994-10-03	203	1002
3006	3006	1994-10-04	201	1007
3009	3009	1994-10-04	202	1003

g) All customers serviced by peel or Motika

Ans - -

```
SELECT * FROM customer
WHERE sno IN(SELECT sno FROM salse_person
WHERE sname='Peel'
OR sname='Motika');
```

The screenshot shows the phpMyAdmin interface. On the left is a sidebar with a tree view of databases and tables. The main panel displays a SQL query: `SELECT * FROM customer WHERE sno IN (SELECT sno FROM salse_person WHERE sname='Peel' OR sname='Motika');`. Below the query, there are controls for 'Show all', 'Number of rows' (set to 25), and a 'Filter rows' search box. The query results are displayed in a table with the following data:

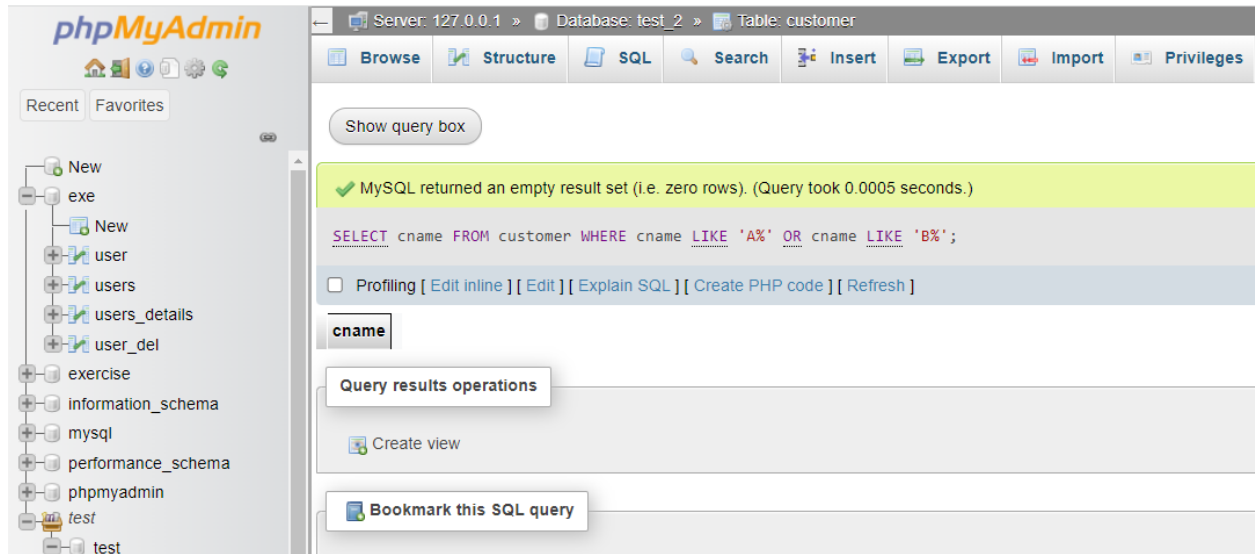
cnm	cname	city	rating	sno
207	PEREIRA	OME	100	1004

Below the results table, there is another set of controls for 'Show all', 'Number of rows' (set to 25), and a 'Filter rows' search box. At the bottom, there is a 'Query results operations' button.

h) All customers whose names begin with a letter from A to B

Ans - -

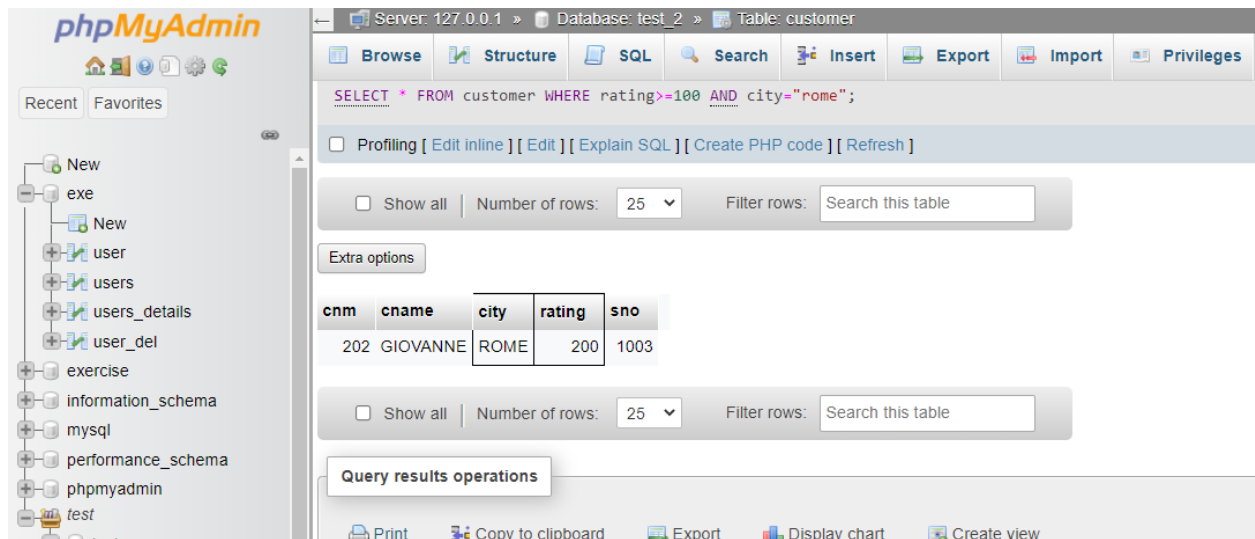
```
SELECT * FROM customer WHERE cname LIKE 'A%' or cname LIKE 'B%';
```



i) All customers excluding those with rating ≤ 100 unless they are located in Rome

Ans - -

```
select * from customer where rating<=100
and city="rome";
```



j) All orders except those with 0 or NULL value in amt field.

Ans - -

```
SELECT * FROM order_ WHERE amt IS NOT null
```

phpMyAdmin

Server: 127.0.0.1 » Database: test_2 » Table: order_

Recent Favorites

Extra options

ONM	AMT	ODE	CNM	SNO
3001	19	1994-10-03	201	1007
3002	1900	1994-10-03	207	1004
3003	767	1994-10-03	201	1001
3005	3005	1994-10-03	203	1002
3006	3006	1994-10-04	201	1007
3007	3007	1994-10-05	204	1002
3008	3008	1994-10-05	206	1001
3009	3009	1994-10-04	202	1003
3010	3010	1994-10-06	204	1002
3011	3011	1994-10-06	206	1001

k) Count the number of salespeople currently listing orders in the order table

Ans - -

```
SELECT COUNT(SNO) FROM order_
```

phpMyAdmin

Recent

Favorites

New

exe

exercise

information_schema

mysql

performance_schema

phpmyadmin

test

test

test_2

New

customer_del

order_

Server: 127.0.0.1 » Database: test_2 » Table: order_

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Your SQL query has been executed successfully.

SELECT COUNT(SNO) FROM order_;

Profiling

Edit inline

Edit

Explain SQL

Create PHP code

Refresh

Extra options

COUNT(SNO)

10

Query results operations

Print

Copy to clipboard

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Display chart

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