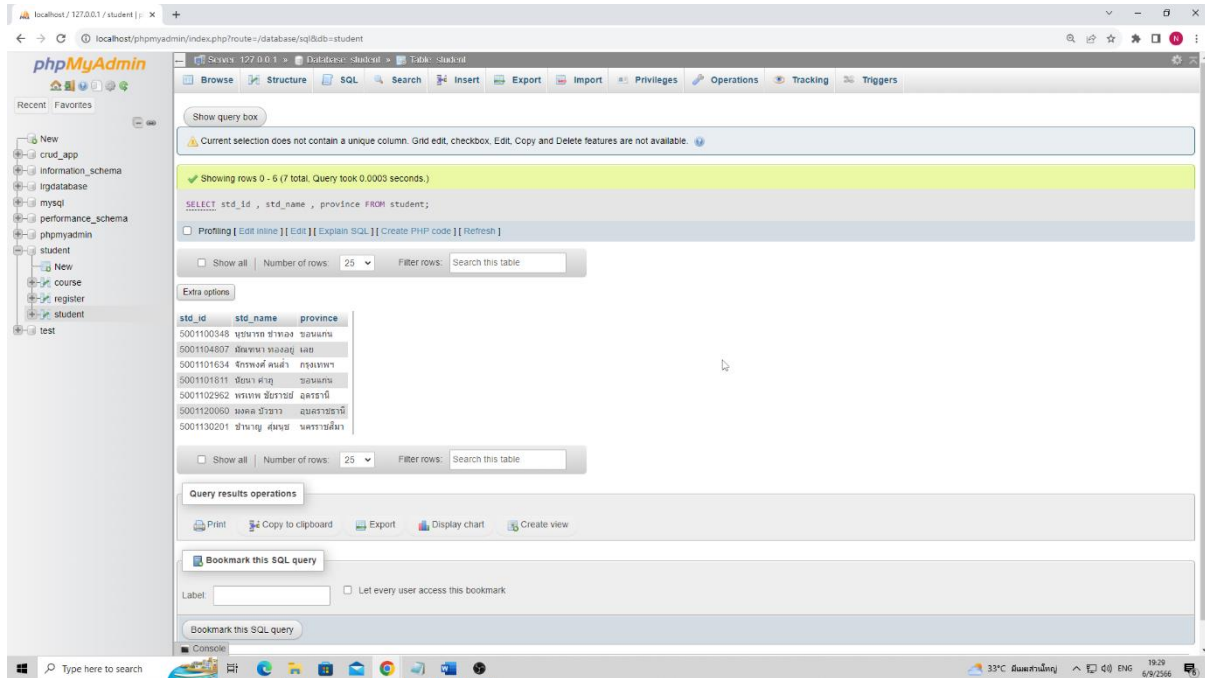


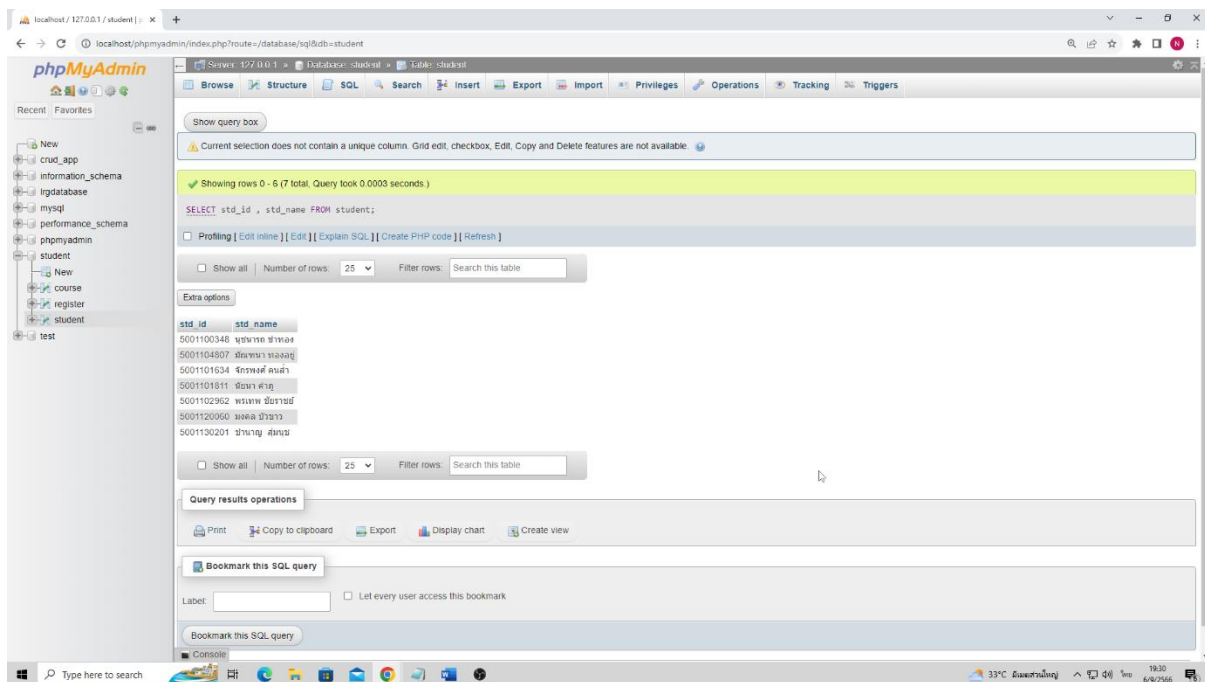
S.1 นาย ณิชภัค จริงดี 6404062630066

## Lab การบ้าน

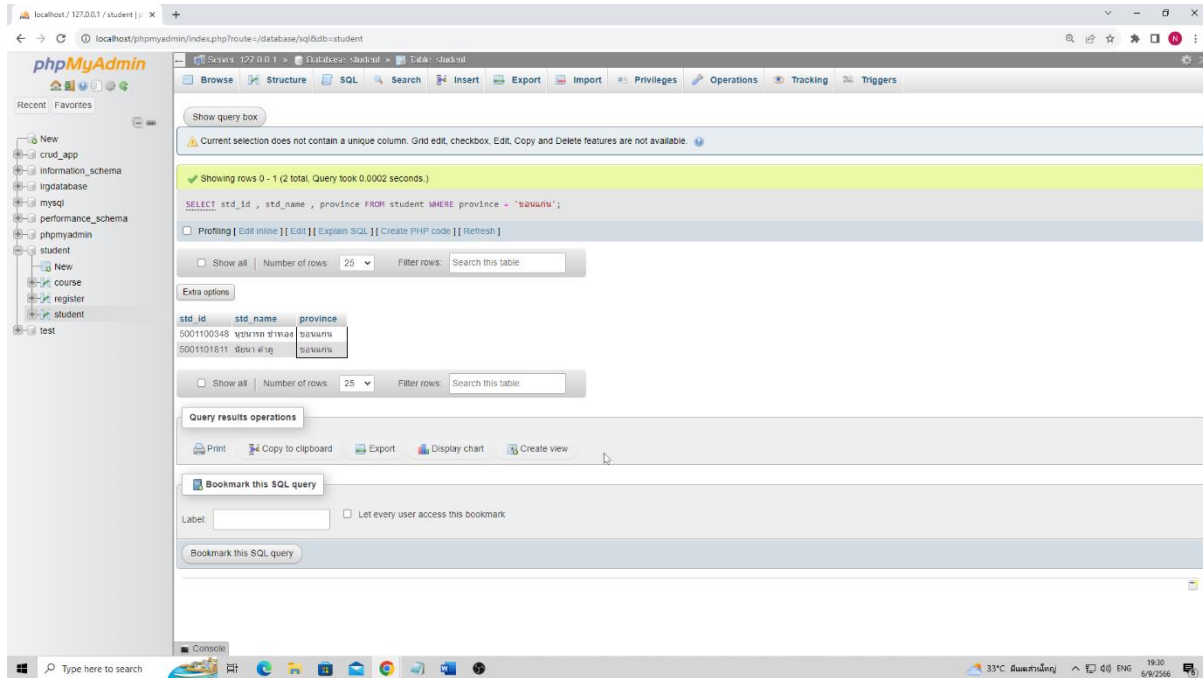
1.) SELECT std\_id , std\_name , province FROM student;



2.) SELECT std\_id , std\_name FROM student;



3.) SELECT std\_id , std\_name , province FROM student  
WHERE province = 'ขอนแก่น';



The screenshot shows the phpMyAdmin web interface. The left sidebar displays a database structure with a tree view. The main panel shows the 'student' table selected. A SQL query is entered in the 'Show query box' area: `SELECT std_id , std_name , province FROM student WHERE province = 'ขอนแก่น';`. The query has been executed, and the results are displayed in a table with 2 columns: 'std\_id' and 'std\_name'. The results show two rows of data. Below the table, there are options for 'Query results operations' (Print, Copy to clipboard, Export, Display chart, Create view) and a 'Bookmark this SQL query' section.

std_id	std_name	province
5001100348	นายวิชาญ ชัยมาศ	ขอนแก่น
5001101611	นายวิชาญ ชัยมาศ	ขอนแก่น

4.) SELECT course.course\_id, course.title , course.credit

FROM student

JOIN register ON student.std\_id = register.std\_id

JOIN course ON register.course\_id = course.course\_id

WHERE student.std\_id = '5001100348';

The screenshot shows the phpMyAdmin web interface. The left sidebar displays a database structure with a tree view. The main panel shows a SQL query executed against the 'student' database. The query is: `SELECT course.course_id, course.title , course.credit FROM student JOIN register ON student.std_id = register.std_id JOIN course ON register.course_id = course.course_id WHERE student.std_id = '5001100348';`. The results are displayed in a table with 3 rows and 3 columns: course\_id, title, and credit. The results are: 322236 WEB APPLICATION PROGRAMMING 3, 322114 STRUCTURED PROGRAMMING 3, and 322224 DIGITAL LOGIC AND COMPUTER INTERFACING 3. The interface also includes a 'Query results operations' section with buttons for Print, Copy to clipboard, Export, Display chart, and Create view. There is also a 'Bookmark this SQL query' section with a label input and a checkbox for 'Let every user access this bookmark'.

course_id	title	credit
322236	WEB APPLICATION PROGRAMMING	3
322114	STRUCTURED PROGRAMMING	3
322224	DIGITAL LOGIC AND COMPUTER INTERFACING	3

5.) SELECT student.std\_id, SUM(course.credit) AS total\_credits

FROM student

LEFT JOIN register ON student.std\_id = register.std\_id

LEFT JOIN course ON register.course\_id = course.course\_id

GROUP BY student.std\_id

HAVING total\_credits IS NOT NULL;

The screenshot shows the phpMyAdmin interface for a database named 'student'. The SQL query entered is:

```
SELECT student.std_id, SUM(course.credit) AS total_credits FROM student LEFT JOIN register ON student.std_id = register.std_id LEFT JOIN course ON register.course_id = course.course_id GROUP BY student.std_id HAVING total_credits IS NOT NULL;
```

The query results are displayed in a table with the following data:

std_id	total_credits
5001100348	9
5001101634	6
5001101811	9
5001104807	6
5001120960	6

The interface also shows a sidebar with a database structure tree, a top navigation bar with various tools, and a bottom status bar with system information.

## Workshop ข้อ 8-13

8. SELECT orders.username, orders.ord\_date,  
SUM(product.price \* item.quantity) AS total\_amount

FROM orders

JOIN item ON orders.ord\_id = item.ord\_id

JOIN product ON item.pid = product.pid

GROUP BY orders.username, orders.ord\_date

ORDER BY orders.ord\_date;

The screenshot shows the phpMyAdmin interface with a SQL query executed. The query is:

```
SELECT orders.username, orders.ord_date, SUM(product.price * item.quantity) AS total_amount FROM orders JOIN item ON orders.ord_id = item.ord_id JOIN product ON item.pid = product.pid GROUP BY orders.username, orders.ord_date ORDER BY orders.ord_date;
```

The results show 4 rows:

username	ord_date	total_amount
metasil	2013-02-12 23:25:40	6300
baramee	2013-07-16 23:25:14	5220
metasil	2013-12-11 23:27:11	2250
baramee	2013-12-27 23:25:44	8280

The interface also includes a sidebar with database structure, a top navigation bar, and a bottom status bar showing system information.

9. SELECT product.pname AS product\_name,

COUNT(item.tid) AS total\_quantity\_sold

FROM product

LEFT JOIN item ON product.pid = item.pid

GROUP BY product.pname

ORDER BY total\_quantity\_sold DESC;

The screenshot shows the phpMyAdmin web interface. The left sidebar displays a database structure tree with 'blueshop' selected. The main panel shows a SQL query in the 'SQL' tab:

```
SELECT product.pname AS product_name, COUNT(item.tid) AS total_quantity_sold FROM product LEFT JOIN item ON product.pid = item.pid GROUP BY product.pname ORDER BY total_quantity_sold DESC;
```

Below the query, the results are displayed in a table with 2 columns: 'product\_name' and 'total\_quantity\_sold'. The results are:

product_name	total_quantity_sold
Ester-C	3
Glucosamine	3
Calcitrate	2
Centrum	2

The interface also includes a 'Query results operations' section with buttons for Print, Copy to clipboard, Export, Display chart, and Create view. At the bottom, there is a 'Bookmark this SQL query' section with a label input field and a checkbox for 'Let every user access this bookmark'.

10.SELECT product.pname AS product\_name,orders.ord\_date  
AS order\_date

FROM product

JOIN item ON product.pid = item.pid

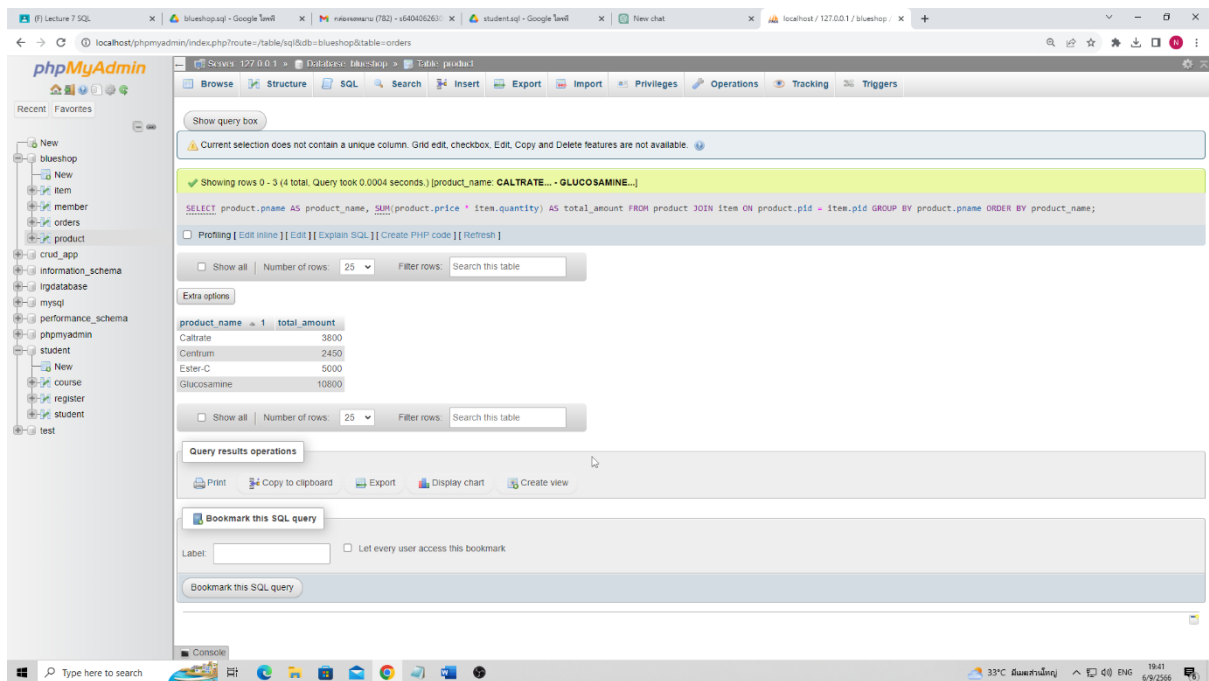
JOIN orders ON item.ord\_id = orders.ord\_id

ORDER BY product.pname, orders.ord\_date;

The screenshot shows the phpMyAdmin interface with a SQL query executed. The query is: `SELECT product.pname AS product_name,orders.ord_date AS order_date FROM product JOIN item ON product.pid = item.pid JOIN orders ON item.ord_id = orders.ord_id ORDER BY product.pname, orders.ord_date;` The results are displayed in a table with two columns: product\_name and order\_date. The table contains 10 rows of data. The interface also shows a sidebar with a database structure tree, a top navigation bar, and a bottom status bar.

product_name	order_date
Caltrate	2013-07-16 23:25:14
Caltrate	2013-12-27 23:26:44
Centrum	2013-02-12 23:23:40
Centrum	2013-12-11 23:27:11
Ester-C	2013-02-12 23:23:40
Ester-C	2013-07-16 23:23:14
Ester-C	2013-12-11 23:27:11
Glucosamine	2013-02-12 23:23:40
Glucosamine	2013-07-16 23:23:14
Glucosamine	2013-12-27 23:26:44

11. SELECT product.pname AS product\_name,  
SUM(product.price \* item.quantity) AS total\_amount  
FROM product  
JOIN item ON product.pid = item.pid  
GROUP BY product.pname  
ORDER BY product\_name;

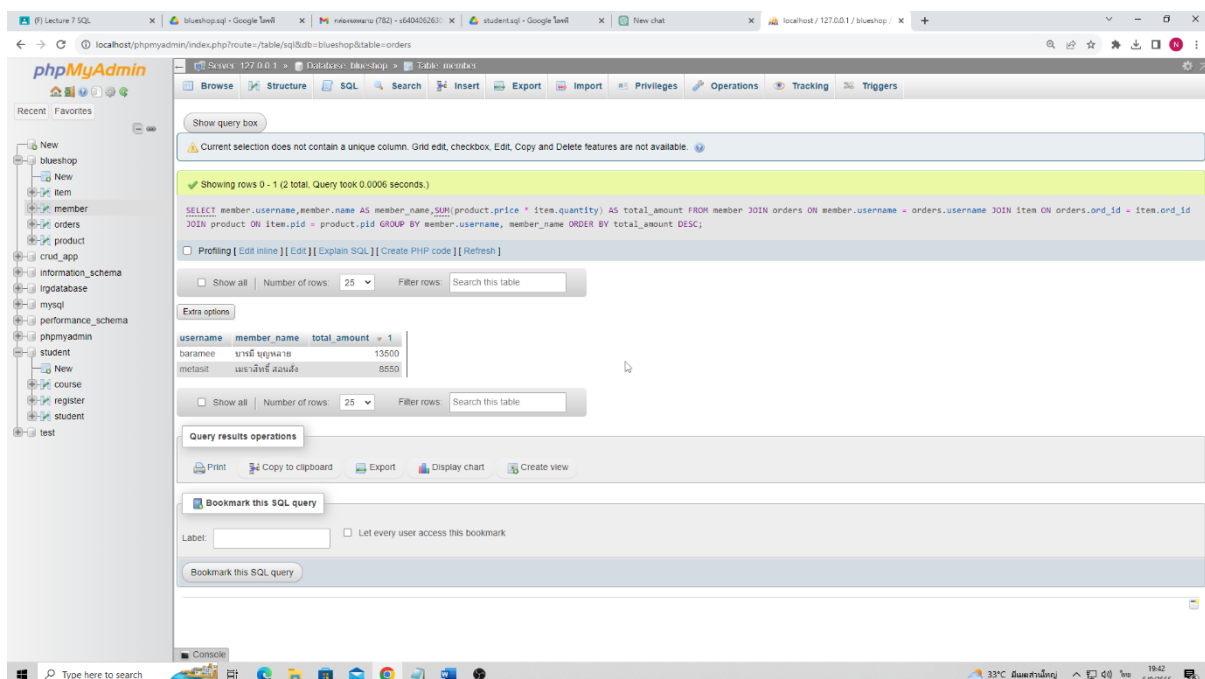


The screenshot shows the phpMyAdmin interface with a SQL query executed. The query is: `SELECT product.pname AS product_name, SUM(product.price * item.quantity) AS total_amount FROM product JOIN item ON product.pid = item.pid GROUP BY product.pname ORDER BY product_name;` The results are displayed in a table with two columns: product\_name and total\_amount. The results are: Caltrate (3400), Centrum (2450), Ester-C (5000), and Glucosamine (10800). The interface also shows a sidebar with a database tree, a top navigation bar, and a bottom status bar.

product_name	total_amount
Caltrate	3400
Centrum	2450
Ester-C	5000
Glucosamine	10800



12. SELECT member.username,member.name AS  
member\_name,SUM(product.price \* item.quantity) AS  
total\_amount  
  
FROM member  
  
JOIN orders ON member.username = orders.username  
  
JOIN item ON orders.ord\_id = item.ord\_id  
  
JOIN product ON item.pid = product.pid  
  
GROUP BY member.username, member\_name  
  
ORDER BY total\_amount DESC



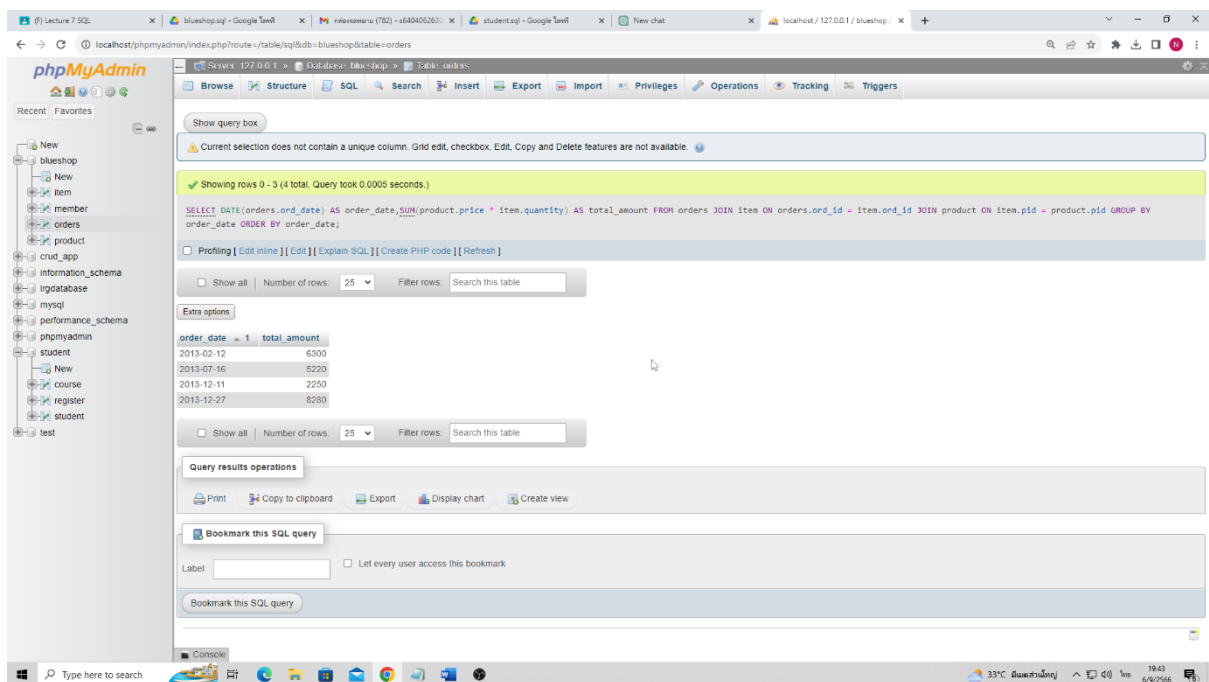
The screenshot shows the phpMyAdmin interface with the following details:

- Navigation Panel:** Lists databases like 'blueshop', 'information\_schema', 'mysql', 'performance\_schema', 'phpmyadmin', 'student', 'course', 'register', and 'test'.
- SQL Tab:** The active tab showing the executed query: 

```
SELECT member.username,member_name AS member_name,SUM(product.price * item.quantity) AS total_amount FROM member JOIN orders ON member.username = orders.username JOIN item ON orders.ord_id = item.ord_id JOIN product ON item.pid = product.pid GROUP BY member.username, member_name ORDER BY total_amount DESC;
```
- Query Results:** A table with 3 columns: 'username', 'member\_name', and 'total\_amount'. It contains 3 rows of data.

username	member_name	total_amount
baramee	บารมีย์ บุษาวาณิช	13500
metasit	เมธาสิทธิ์ ลอนนัย	8550
- Query Results Operations:** Includes buttons for 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'.
- Bookmark this SQL query:** A section with a 'Label' input field and a checkbox 'Let every user access this bookmark'.

13. SELECT DATE(orders.ord\_date) AS  
order\_date,SUM(product.price \* item.quantity) AS  
total\_amount  
  
FROM orders  
  
JOIN item ON orders.ord\_id = item.ord\_id  
  
JOIN product ON item.pid = product.pid  
  
GROUP BY order\_date  
  
ORDER BY order\_date;



The screenshot shows the phpMyAdmin interface with a SQL query executed. The query is:

```
SELECT DATE(orders.ord_date) AS order_date,SUM(product.price * item.quantity) AS total_amount FROM orders JOIN item ON orders.ord_id = item.ord_id JOIN product ON item.pid = product.pid GROUP BY order_date ORDER BY order_date;
```

The results show 4 rows:

order_date	total_amount
2013-02-12	6300
2013-07-16	5220
2013-12-11	2250
2013-12-27	8280

The interface also includes a sidebar with database structure, a top navigation bar, and a bottom status bar showing system information.