



รายงาน

การสอบปฏิบัติ

วิชาระบบฐานข้อมูลเบื้องต้น

รหัสวิชา 01418221

นายณัทธ คลภารวิจิต

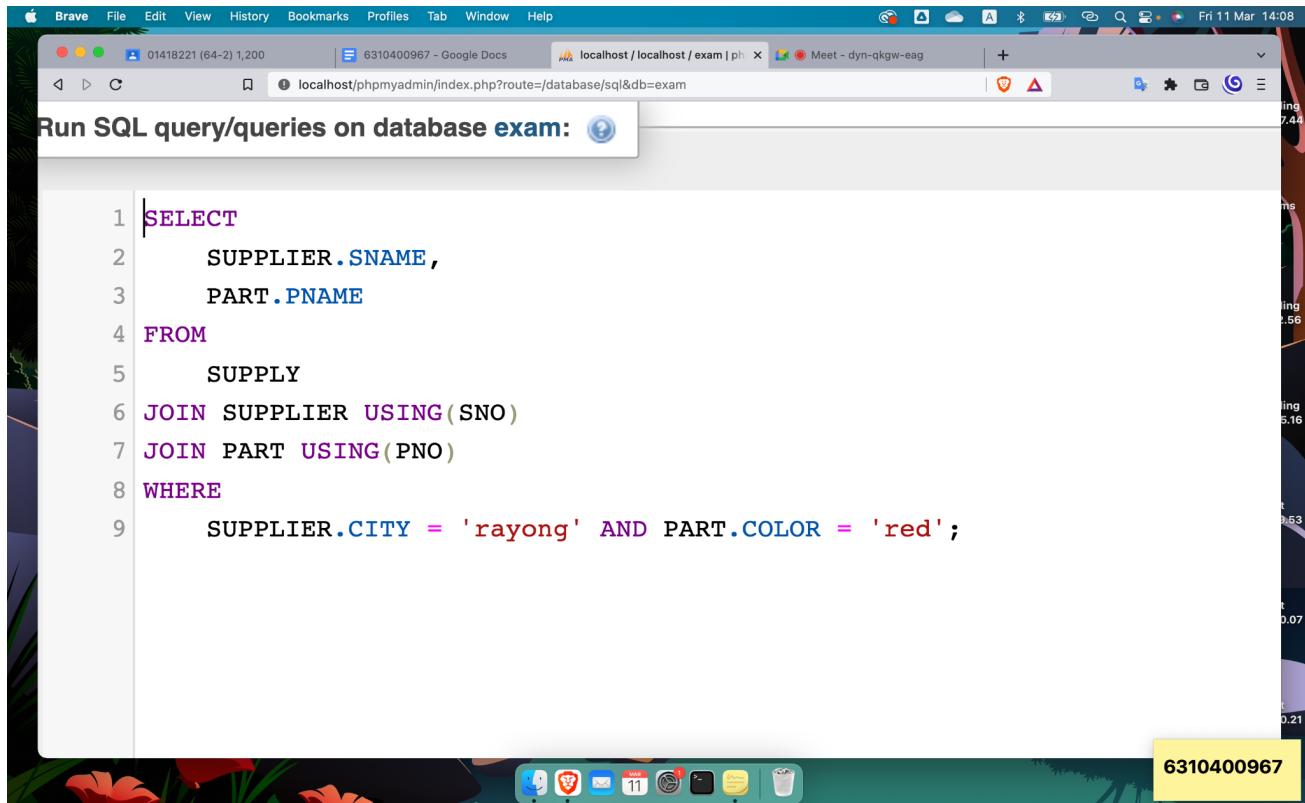
รหัสนิสิต 6310400960

คณะวิทยาศาสตร์ สาขาวิชาการคอมพิวเตอร์

มหาวิทยาลัยเกษตรศาสตร์

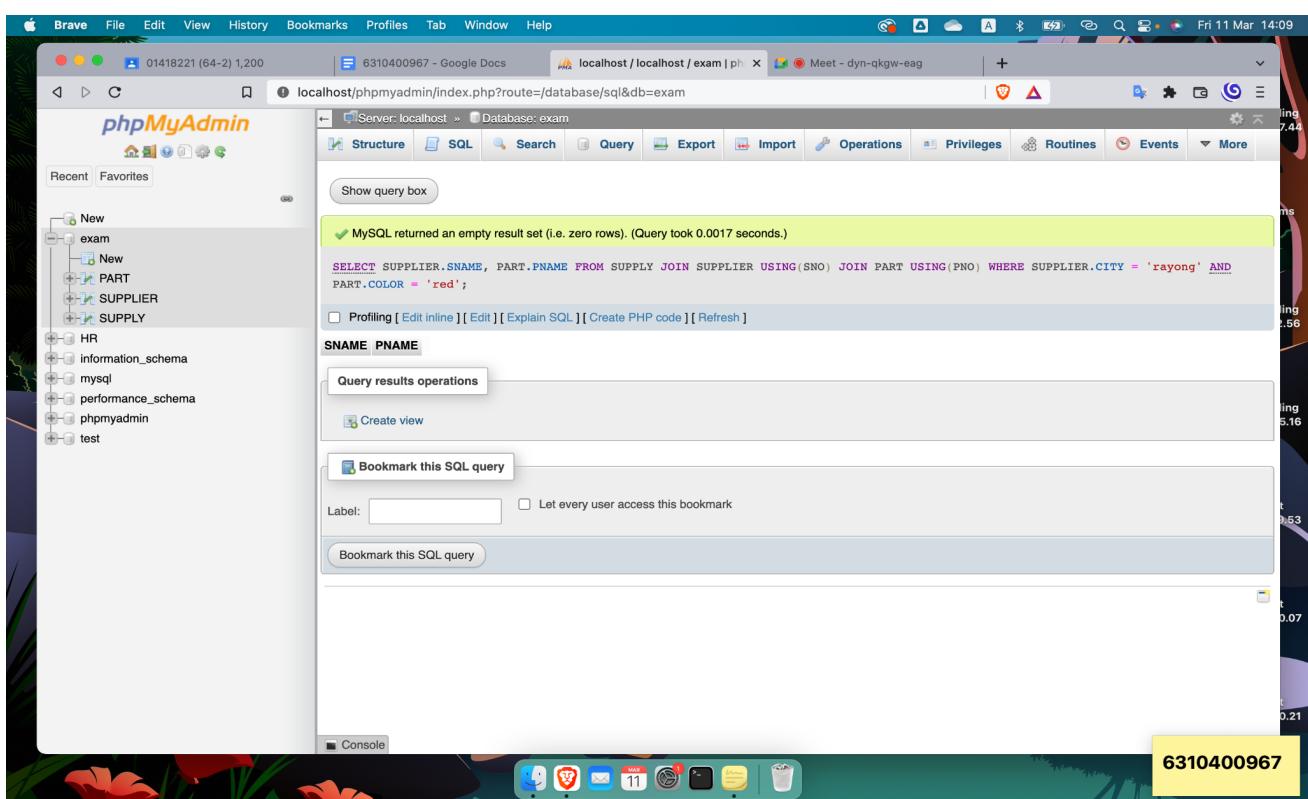
ภาคเรียนที่ 2 ปีการศึกษา 2564

ข้อที่ 1



Run SQL query/queries on database exam:

```
1 SELECT
2     SUPPLIER.SNAME,
3     PART.PNAME
4 FROM
5     SUPPLY
6 JOIN SUPPLIER USING(SNO)
7 JOIN PART USING(PNO)
8 WHERE
9     SUPPLIER.CITY = 'rayong' AND PART.COLOR = 'red';
```



MySQL returned an empty result set (i.e. zero rows). (Query took 0.0017 seconds.)

```
SELECT SUPPLIER.SNAME, PART.PNAME FROM SUPPLY JOIN SUPPLIER USING(SNO) JOIN PART USING(PNO) WHERE SUPPLIER.CITY = 'rayong' AND PART.COLOR = 'red';
```

Query results operations

Create view

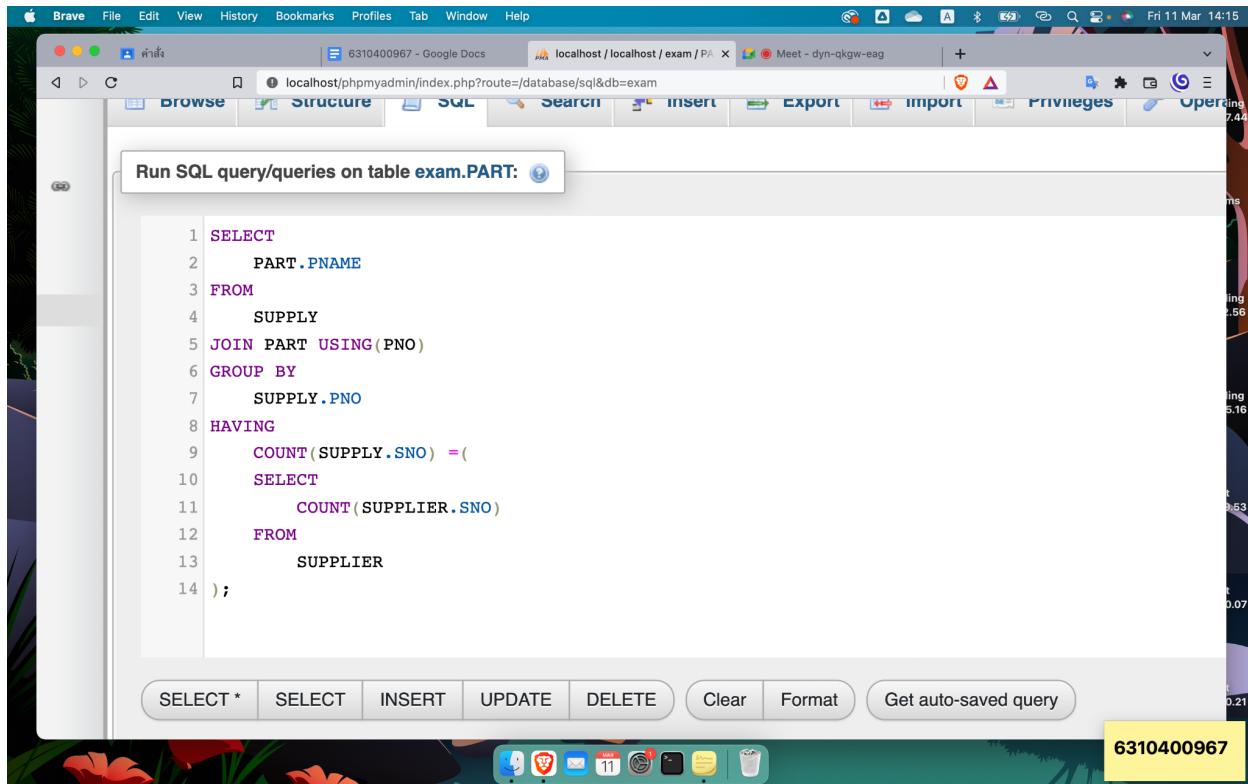
Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Console

ข้อที่ 2



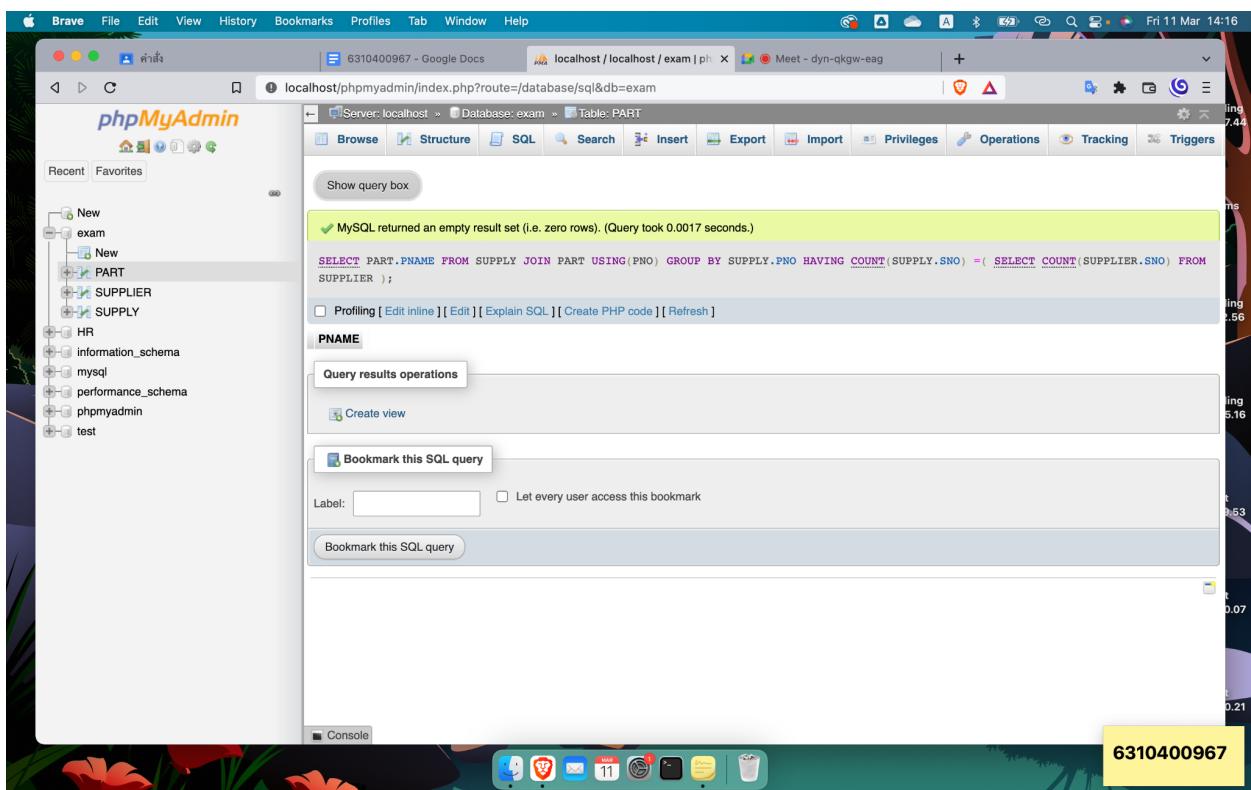
Run SQL query/queries on table exam.PART: [?](#)

```
1 SELECT
2     PART.PNAME
3 FROM
4     SUPPLY
5 JOIN PART USING(PNO)
6 GROUP BY
7     SUPPLY.PNO
8 HAVING
9     COUNT(SUPPLY.SNO) = (
10    SELECT
11        COUNT(SUPPLIER.SNO)
12    FROM
13        SUPPLIER
14 );
```

SELECT * | SELECT | INSERT | UPDATE | DELETE | Clear | Format | Get auto-saved query

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This screenshot shows a web browser window with the URL `localhost/phpmyadmin/index.php?route=/database/sql&db=exam`. The main content area displays an SQL query intended to find parts supplied by exactly one supplier. The query uses a self-join on the PART table to compare the count of suppliers for each part against the count of parts supplied by each supplier.



Server: localhost > Database: exam > Table: PART

Show query box

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0017 seconds.)

```
SELECT PART.PNAME FROM SUPPLY JOIN PART USING(PNO) GROUP BY SUPPLY.PNO HAVING COUNT(SUPPLY.SNO) = ( SELECT COUNT(SUPPLIER.SNO) FROM SUPPLIER );
```

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

PNAME

Query results operations

Create view

Bookmark this SQL query

Label: Let every user access this bookmark

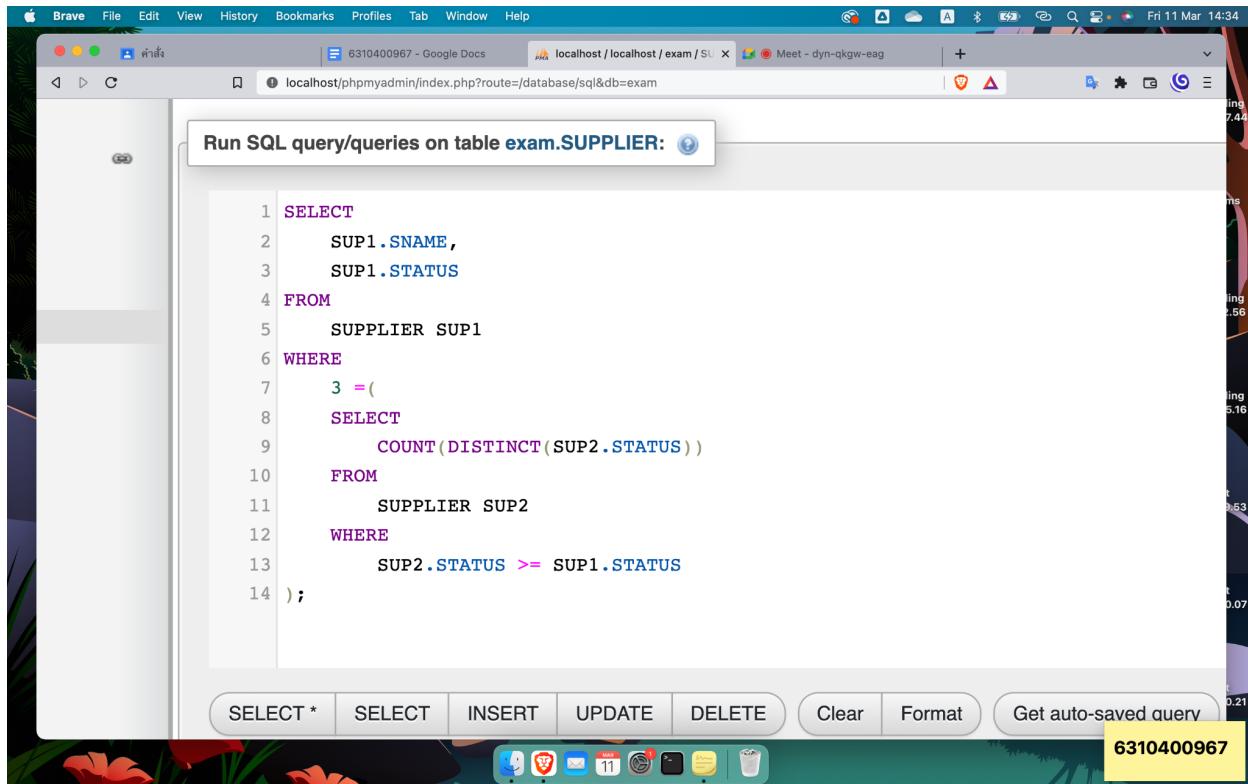
Bookmark this SQL query

Console

6310400967

This screenshot shows the phpMyAdmin interface for the 'exam' database. It is currently viewing the 'PART' table. The left sidebar shows the database structure. The main panel displays the SQL query from the previous screenshot. A message indicates that the query returned zero rows. Below the query, there are options for profiling, editing, explaining, creating PHP code, and refreshing the results. The results section is currently empty. At the bottom, there are buttons for bookmarking the query and a console tab.

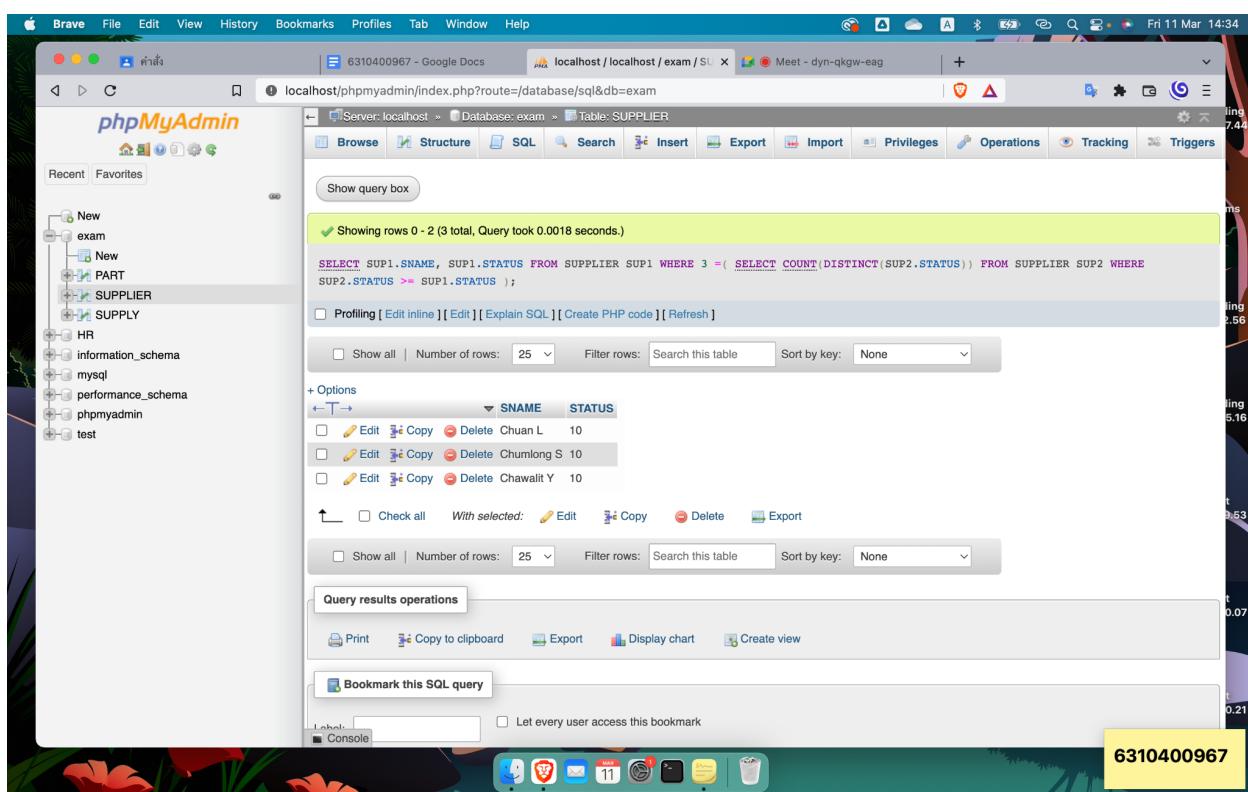
ข้อที่ 3



Run SQL query/queries on table exam.SUPPLIER:

```
1 SELECT
2     SUP1.SNAME,
3     SUP1.STATUS
4 FROM
5     SUPPLIER SUP1
6 WHERE
7     3 =(
8         SELECT
9             COUNT(DISTINCT(SUP2.STATUS))
10        FROM
11        SUPPLIER SUP2
12       WHERE
13           SUP2.STATUS >= SUP1.STATUS
14    );
```

SELECT * | SELECT | INSERT | UPDATE | DELETE | Clear | Format | Get auto-saved query | 6310400967



Showing rows 0 - 2 (3 total, Query took 0.0018 seconds.)

SNAME	STATUS
Chuan L.	10
Chumlong S.	10
Chawalit Y.	10

Query results operations

Print | Copy to clipboard | Export | Display chart | Create view

Bookmark this SQL query

Console | Let every user access this bookmark

6310400967

ข้อที่ 4

The screenshot shows a web browser window with two tabs open. The active tab is titled "Run SQL query/queries on table exam.SUPPLIER:" and contains the following SQL code:

```
1 | SELECT
2 |     SUPPLIER.SNAME
3 | FROM
4 |     SUPPLY SUP1
5 | JOIN SUPPLIER USING(SNO)
6 | GROUP BY SNO
7 | HAVING
8 |     2 =(
9 |         SELECT
10 |             COUNT(DISTSUM)
11 |         FROM
12 |             (
13 |                 SELECT DISTINCT
14 |                     SUM(SUPPLY.QTY) DISTSUM
15 |                 FROM
16 |                     SUPPLY
17 |                 GROUP BY
18 |                     SUPPLY.SNO
19 |             ) TEMP
20 | WHERE
21 |     DISTSUM >= SUM(SUP1.QTY)
22 | );
```

Below the code are buttons for "SELECT *", "SELECT", "INSERT", "UPDATE", "DELETE", "Clear", "Format", and "Get auto-saved query". A yellow box in the bottom right corner contains the identifier "6310400967".

The second tab is titled "Database: exam / Table: SUPPLIER" and shows the results of the executed query. The results are displayed in a table with one row, showing the supplier name "David H". The table has columns for "SNAME" and "David H". Below the table are buttons for "Print", "Copy to clipboard", "Export", "Display chart", and "Create view". A yellow box in the bottom right corner contains the identifier "6310400967".