

## ใบงานที่ 10

### เรื่อง DML และ DDL

- วัตถุประสงค์
1. เพื่อให้นักศึกษาฝึกใช้งาน MySQL และ phpMyAdmin
  2. เพื่อให้นักศึกษาฝึกค้นหาข้อมูลจากฐานข้อมูล

เนื้อหา

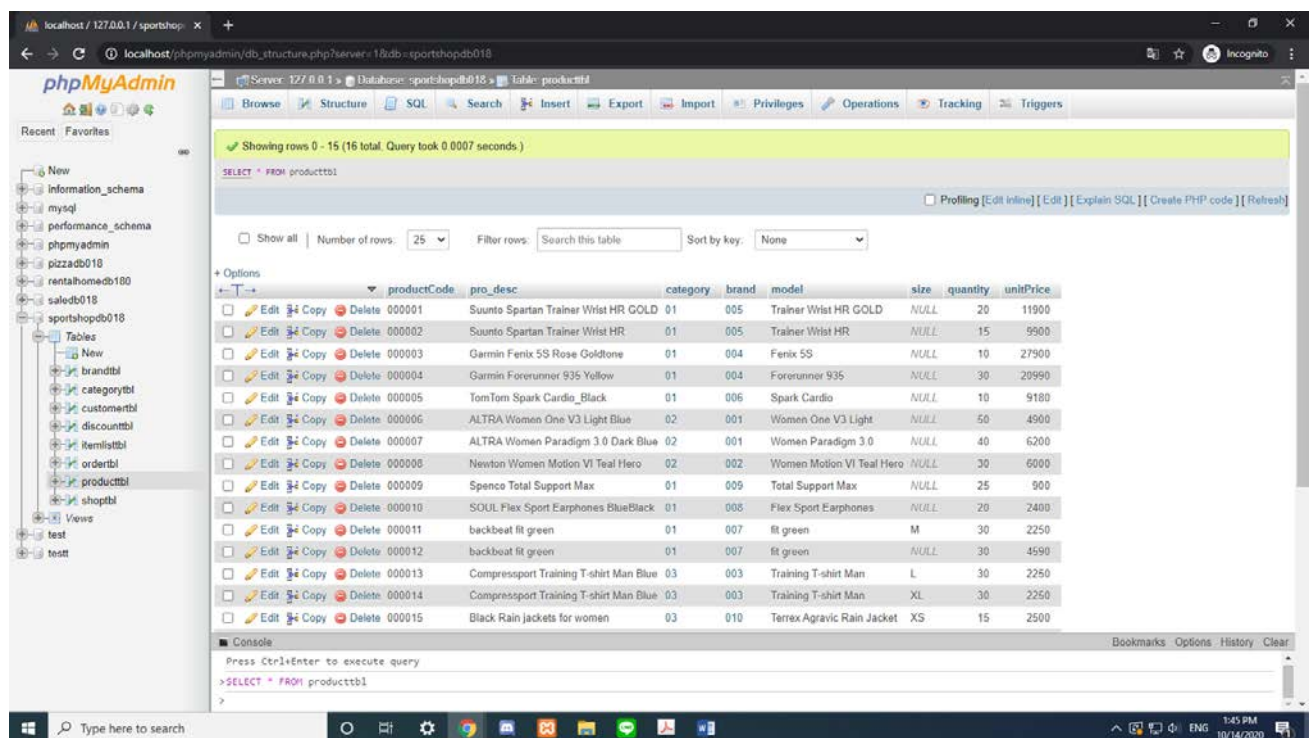
- บทที่ 7 SQL

คำสั่ง

1. เปิด Database ที่นักศึกษาสร้างไว้ในใบงานที่ผ่าน SportShopDBxxx (โดย xxx คือ รหัสนักศึกษา 3 ตัวท้าย)
2. จงพิมพ์คำสั่ง SQL ดังต่อไปนี้ แล้ว Capture หน้าจอผลลัพธ์ มาแทรกลงในพื้นที่ว่างด้านล่าง

#### 2.1. SELECT \*

FROM producttbl;



The screenshot shows the phpMyAdmin interface for a database named 'sportshopdb018'. The 'producttbl' table is selected, and the SQL query 'SELECT \* FROM producttbl;' has been executed. The results show 15 rows of product data. The table has columns: productCode, pro\_desc, category, brand, model, size, quantity, and unitPrice.

productCode	pro_desc	category	brand	model	size	quantity	unitPrice
000001	Suunto Spartan Trainer Wrist HR GOLD	01	005	Trainer Wrist HR GOLD	NULL	20	11900
000002	Suunto Spartan Trainer Wrist HR	01	005	Trainer Wrist HR	NULL	15	5900
000003	Garmin Fenix 5S Rose Goldtone	01	004	Fenix 5S	NULL	10	27900
000004	Garmin Forerunner 935 Yellow	01	004	Forerunner 935	NULL	30	20990
000005	TomTom Spark Cardio_Black	01	006	Spark Cardio	NULL	10	9180
000006	ALTRA Women One V3 Light Blue	02	001	Women One V3 Light	NULL	50	4900
000007	ALTRA Women Paradigm 3.0 Dark Blue	02	001	Women Paradigm 3.0	NULL	40	6200
000008	Newton Women Motion VI Teal Hero	02	002	Women Motion VI Teal Hero	NULL	30	6000
000009	Spenco Total Support Max	01	005	Total Support Max	NULL	25	900
000010	SOUL Flex Sport Earphones BlueBlack	01	008	Flex Sport Earphones	NULL	20	2400
000011	backbeat fit green	01	007	fit green	M	30	2250
000012	backbeat fit green	01	007	fit green	NULL	30	4590
000013	Compressport Training T-shirt Man Blue	03	003	Training T-shirt Man	L	30	2250
000014	Compressport Training T-shirt Man Blue	03	003	Training T-shirt Man	XL	30	2250
000015	Black Rain jackets for women	03	010	Terrex Agravic Rain Jacket	XS	15	2500

#### 2.2. UPDATE producttbl

SET quantity = quantity - 3

WHERE productCode = '000001';

Showing rows 0 - 15 (16 total, Query took 0.0006 seconds.)

```
SELECT * FROM 'producttbl';
```

Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	productCode	pro_desc	category	brand	model	size	quantity	unitPrice
<input type="checkbox"/>	000001	Suunto Spartan Trainer Wrist HR GOLD	01	005	Trainer Wrist HR GOLD	NULL	17	11900
<input type="checkbox"/>	000002	Suunto Spartan Trainer Wrist HR	01	005	Trainer Wrist HR	NULL	15	9900
<input type="checkbox"/>	000003	Garmin Fenix 5S Rose Goldtone	01	004	Fenix 5S	NULL	10	27900
<input type="checkbox"/>	000004	Garmin Forerunner 935 Yellow	01	004	Forerunner 935	NULL	30	20990
<input type="checkbox"/>	000005	TomTom Spark Cardio_Black	01	006	Spark Cardio	NULL	10	9180
<input type="checkbox"/>	000006	ALTRA Women One V3 Light Blue	02	001	Women One V3 Light	NULL	50	4900
<input type="checkbox"/>	000007	ALTRA Women Paradigm 3.0 Dark Blue	02	001	Women Paradigm 3.0	NULL	40	6200
<input type="checkbox"/>	000008	Newton Women Motion VI Teal Hero	02	002	Women Motion VI Teal Hero	NULL	30	6000
<input type="checkbox"/>	000009	Spenco Total Support Max	01	009	Total Support Max	NULL	25	900
<input type="checkbox"/>	000010	SOUL Flex Sport Earphones BlueBlack	01	008	Flex Sport Earphones	NULL	20	2400
<input type="checkbox"/>	000011	backbeat fit green	01	007	fit green	M	30	2250
<input type="checkbox"/>	000012	backbeat fit green	01	007	fit green	NULL	30	4590
<input type="checkbox"/>	000013	Compressport Training T-shirt Man Blue	03	003	Training T-shirt Man	L	30	2250
<input type="checkbox"/>	000014	Compressport Training T-shirt Man Blue	03	003	Training T-shirt Man	XL	30	2250
<input type="checkbox"/>	000015	Black Rain jackets for women	03	010	Terrex Agravic Rain Jacket	XS	15	2500

```

>SELECT * FROM producttbl
>UPDATE producttbl SET quantity = quantity - 3 WHERE productCode = '000001'
>SELECT * FROM 'producttbl'

```

### 2.3. UPDATE producttbl

SET quantity = quantity - 1

WHERE productCode = '000002';

Showing rows 0 - 15 (16 total, Query took 0.0006 seconds.)

```
SELECT * FROM 'producttbl';
```

Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	productCode	pro_desc	category	brand	model	size	quantity	unitPrice
<input type="checkbox"/>	000001	Suunto Spartan Trainer Wrist HR GOLD	01	005	Trainer Wrist HR GOLD	NULL	17	11900
<input type="checkbox"/>	000002	Suunto Spartan Trainer Wrist HR	01	005	Trainer Wrist HR	NULL	14	9900
<input type="checkbox"/>	000003	Garmin Fenix 5S Rose Goldtone	01	004	Fenix 5S	NULL	10	27900
<input type="checkbox"/>	000004	Garmin Forerunner 935 Yellow	01	004	Forerunner 935	NULL	30	20990
<input type="checkbox"/>	000005	TomTom Spark Cardio_Black	01	006	Spark Cardio	NULL	10	9180
<input type="checkbox"/>	000006	ALTRA Women One V3 Light Blue	02	001	Women One V3 Light	NULL	50	4900
<input type="checkbox"/>	000007	ALTRA Women Paradigm 3.0 Dark Blue	02	001	Women Paradigm 3.0	NULL	40	6200
<input type="checkbox"/>	000008	Newton Women Motion VI Teal Hero	02	002	Women Motion VI Teal Hero	NULL	30	6000
<input type="checkbox"/>	000009	Spenco Total Support Max	01	009	Total Support Max	NULL	25	900
<input type="checkbox"/>	000010	SOUL Flex Sport Earphones BlueBlack	01	008	Flex Sport Earphones	NULL	20	2400
<input type="checkbox"/>	000011	backbeat fit green	01	007	fit green	M	30	2250
<input type="checkbox"/>	000012	backbeat fit green	01	007	fit green	NULL	30	4590
<input type="checkbox"/>	000013	Compressport Training T-shirt Man Blue	03	003	Training T-shirt Man	L	30	2250
<input type="checkbox"/>	000014	Compressport Training T-shirt Man Blue	03	003	Training T-shirt Man	XL	30	2250
<input type="checkbox"/>	000015	Black Rain jackets for women	03	010	Terrex Agravic Rain Jacket	XS	15	2500
<input type="checkbox"/>	000016	Gray Rain jackets for women	03	010	Terrex Agravic Rain Jacket	S	20	2500

```

>UPDATE producttbl SET quantity = quantity - 1 WHERE productCode = '000002'
>SELECT * FROM 'producttbl'

```

## 2.4. UPDATE producttbl

SET quantity = quantity - 2

WHERE productCode = '000004';

The screenshot shows the phpMyAdmin interface for the 'sportshopdb018' database. The 'producttbl' table is selected, displaying 16 rows of product data. The SQL console at the bottom shows the following commands:

```
>SELECT * FROM "producttbl"
>UPDATE producttbl SET quantity = quantity - 2 WHERE productCode = '000004'
>SELECT * FROM "ordertbl"
```

productCode	pro_desc	category	brand	model	size	quantity	unitPrice
000001	Suunto Spartan Trainer Wrist HR GOLD	01	005	Trainer Wrist HR GOLD	NULL	17	11900
000002	Suunto Spartan Trainer Wrist HR	01	005	Trainer Wrist HR	NULL	14	9900
000003	Garmin Fenix 5S Rose Goldtone	01	004	Fenix 5S	NULL	10	27900
000004	Garmin Forerunner 935 Yellow	01	004	Forerunner 935	NULL	28	20990
000005	TomTom Spark Cardio_Black	01	006	Spark Cardio	NULL	10	9180
000006	ALTRA Women One V3 Light Blue	02	001	Women One V3 Light	NULL	50	4900
000007	ALTRA Women Paradigm 3.0 Dark Blue	02	001	Women Paradigm 3.0	NULL	40	6200
000008	Newton Women Motion VI Teal Hero	02	002	Women Motion VI Teal Hero	NULL	30	6000
000009	Spenco Total Support Max	01	009	Total Support Max	NULL	25	900
000010	SOUL Flex Sport Earphones BlueBlack	01	008	Flex Sport Earphones	NULL	20	2400
000011	backbeat fit green	01	007	fit green	M	30	2250
000012	backbeat fit green	01	007	fit green	NULL	30	4590
000013	Compressport Training T-shirt Man Blue	03	003	Training T-shirt Man	L	30	2250
000014	Compressport Training T-shirt Man Blue	03	003	Training T-shirt Man	XL	30	2250
000015	Black Rain Jackets for women	03	010	Terrex Agravic Rain Jacket	XS	15	2500
000016	Gray Rain jackets for women	03	010	Terrex Agravic Rain Jacket	S	20	2500

## 2.5. UPDATE producttbl

SET quantity = quantity - 1

WHERE productCode = '000005';

The screenshot shows the phpMyAdmin interface for the 'sportshopdb018' database. The 'producttbl' table is selected, displaying 16 rows of product data. The SQL console at the bottom shows the following commands:

```
>2.3. UPDATE producttbl SET quantity = quantity - 1 WHERE productCode = '000002';
>UPDATE producttbl SET quantity = quantity - 1 WHERE productCode = '000002'
>SELECT * FROM "producttbl"
>UPDATE producttbl SET quantity = quantity - 2 WHERE productCode = '000004';
>SELECT * FROM "producttbl"
>UPDATE producttbl SET quantity = quantity - 2 WHERE productCode = '000004'
>SELECT * FROM "ordertbl"
>SELECT * FROM "producttbl"
>UPDATE producttbl SET quantity = quantity - 1 WHERE productCode = '000005'
>SELECT * FROM "producttbl"
```

productCode	pro_desc	category	brand	model	size	quantity	unitPrice
000001	Suunto Spartan Trainer Wrist HR GOLD	01	005	Trainer Wrist HR GOLD	NULL	17	11900
000002	Suunto Spartan Trainer Wrist HR	01	005	Trainer Wrist HR	NULL	14	9900
000003	Garmin Fenix 5S Rose Goldtone	01	004	Fenix 5S	NULL	10	27900
000004	Garmin Forerunner 935 Yellow	01	004	Forerunner 935	NULL	28	20990
000005	TomTom Spark Cardio_Black	01	006	Spark Cardio	NULL	9	9180
000006	ALTRA Women One V3 Light Blue	02	001	Women One V3 Light	NULL	50	4900
000007	ALTRA Women Paradigm 3.0 Dark Blue	02	001	Women Paradigm 3.0	NULL	40	6200
000008	Newton Women Motion VI Teal Hero	02	002	Women Motion VI Teal Hero	NULL	30	6000
000009	Spenco Total Support Max	01	009	Total Support Max	NULL	25	900
000010	SOUL Flex Sport Earphones BlueBlack	01	008	Flex Sport Earphones	NULL	20	2400
000011	backbeat fit green	01	007	fit green	M	30	2250
000012	backbeat fit green	01	007	fit green	NULL	30	4590
000013	Compressport Training T-shirt Man Blue	03	003	Training T-shirt Man	L	30	2250
000014	Compressport Training T-shirt Man Blue	03	003	Training T-shirt Man	XL	30	2250
000015	Black Rain jackets for women	03	010	Terrex Agravic Rain Jacket	XS	15	2500
000016	Gray Rain jackets for women	03	010	Terrex Agravic Rain Jacket	S	20	2500



## 2.6. UPDATE producttbl

SET quantity = quantity - 3

WHERE productCode IN ('000006', '000010', '000011');

The screenshot shows the phpMyAdmin interface for the 'sportshopdb018' database. The 'producttbl' table is selected, and the SQL tab is active. The table structure is visible, showing columns: productCode, pro\_desc, category, brand, model, size, quantity, and unitPrice. The SQL console contains the following queries:

```
>SELECT * FROM "producttbl"
>UPDATE producttbl SET quantity = quantity - 2 WHERE productCode = '000004';
>SELECT * FROM "producttbl"
>UPDATE producttbl SET quantity = quantity - 2 WHERE productCode = '000004'
>SELECT * FROM "ordertbl"
>SELECT * FROM "producttbl"
>UPDATE producttbl SET quantity = quantity - 1 WHERE productCode = '000005'
>SELECT * FROM "producttbl"
>UPDATE producttbl SET quantity = quantity - 3 WHERE productCode IN ('000006', '000010', '000011')
>SELECT * FROM "producttbl"
```

## 2.7. UPDATE producttbl

SET quantity = quantity - 2

WHERE (productCode = '000009') OR (productCode = '000016');

The screenshot shows the phpMyAdmin interface for the 'sportshopdb018' database. The 'producttbl' table is selected, and the SQL tab is active. The table structure is visible, showing columns: productCode, pro\_desc, category, brand, model, size, quantity, and unitPrice. The SQL console contains the following queries:

```
>SELECT * FROM "producttbl"
>UPDATE producttbl SET quantity = quantity - 2 WHERE productCode = '000004'
>SELECT * FROM "ordertbl"
>SELECT * FROM "producttbl"
>UPDATE producttbl SET quantity = quantity - 1 WHERE productCode = '000005'
>SELECT * FROM "producttbl"
>UPDATE producttbl SET quantity = quantity - 3 WHERE productCode IN ('000006', '000010', '000011')
>SELECT * FROM "producttbl"
>UPDATE producttbl SET quantity = quantity - 2 WHERE (productCode = '000009') OR (productCode = '000016')
>SELECT * FROM "producttbl"
```

## 2.8. UPDATE producttbl

SET quantity = quantity - 1

WHERE productCode IN ('000012', '000013', '000014');

The screenshot shows the phpMyAdmin interface with the 'producttbl' table selected. The SQL tab is active, displaying the following queries:

```
>SELECT * FROM `ordertbl`  
>SELECT * FROM `producttbl`  
>UPDATE producttbl SET quantity = quantity - 1 WHERE productCode = '000005'  
>SELECT * FROM `producttbl`  
>UPDATE producttbl SET quantity = quantity - 3 WHERE productCode IN ('000006', '000010', '000011')  
>SELECT * FROM `producttbl`  
>UPDATE producttbl SET quantity = quantity - 2 WHERE (productCode = '000009') OR (productCode = '000016')  
>SELECT * FROM `producttbl`  
>UPDATE producttbl SET quantity = quantity - 1 WHERE productCode IN ('000012', '000013', '000014')  
>SELECT * FROM `producttbl`
```

The table data is visible in the background, showing columns like productCode, pro\_desc, category, brand, model, size, quantity, and unitPrice.

## 2.9. SELECT \*

FROM producttbl;

The screenshot shows the phpMyAdmin interface with the 'producttbl' table selected. The SQL tab is active, displaying the following queries:

```
>UPDATE producttbl SET quantity = quantity - 2 WHERE (productCode = '000009') OR (productCode = '000016')  
>SELECT * FROM `producttbl`  
>UPDATE producttbl SET quantity = quantity - 1 WHERE productCode IN ('000012', '000013', '000014')  
>SELECT * FROM `producttbl`
```

The table data is visible in the background, showing columns like productCode, pro\_desc, category, brand, model, size, quantity, and unitPrice.

2.10 SELECT p.productCode, b.brandName, p.model, c.Category, p.quantity, p.unitPrice  
FROM ((producttbl p INNER JOIN brandtbl b ON p.brand = b.brandCode)  
INNER JOIN categorytbl c ON p.category = c.CateCode);

The screenshot shows the phpMyAdmin interface with the 'producttbl' table selected. The query results are displayed in a table with the following data:

productCode	brandName	model	Category	quantity	unitPrice
000001	SUUNTO	Trainer Wrist HR GOLD	Sport Gadget	17	11900
000002	SUUNTO	Trainer Wrist HR	Sport Gadget	14	9900
000003	GARMIN	Fenix 5S	Sport Gadget	10	27900
000004	GARMIN	Forerunner 935	Sport Gadget	28	20990
000005	TOMTOM	Spark Cardio	Sport Gadget	9	9180
000009	SPENCO	Total Support Max	Sport Gadget	23	900
000010	SOUL	Flex Sport Earphones	Sport Gadget	17	2400
000011	BACKBEAT	fit green	Sport Gadget	27	2250
000012	BACKBEAT	fit green	Sport Gadget	29	4590
000006	ALTRA	Women One V3 Light	Running Shoes	47	4900
000007	ALTRA	Women Paradigm 3.0	Running Shoes	40	6200
000008	NEWTON	Women Motion VI Teal Hero	Running Shoes	30	6000
000013	COMPRESSPORT	Training T-shirt Man	Sport Wear	29	2250
000014	COMPRESSPORT	Training T-shirt Man	Sport Wear	29	2250
000015	ADIDAS	Terrex Agravic Rain Jacket	Sport Wear	15	2500
000016	ADIDAS	Terrex Agravic Rain Jacket	Sport Wear	18	2500

2.11 INSERT INTO ordertbl(orderNo, orderDate, custID, shopCode, totalPrice, tax, totalDiscount, totalPayment, paymentStatus)  
VALUES (108, '2020-09-25', 'ABC12342', '0001', 7300, 511, 390.55, 7420.45, 'ค้างชำระ'),  
(109, '2020-10-01', 'ABC12341', '0001', 9590, 676.3, 0, 10261.3, 'ค้างชำระ');

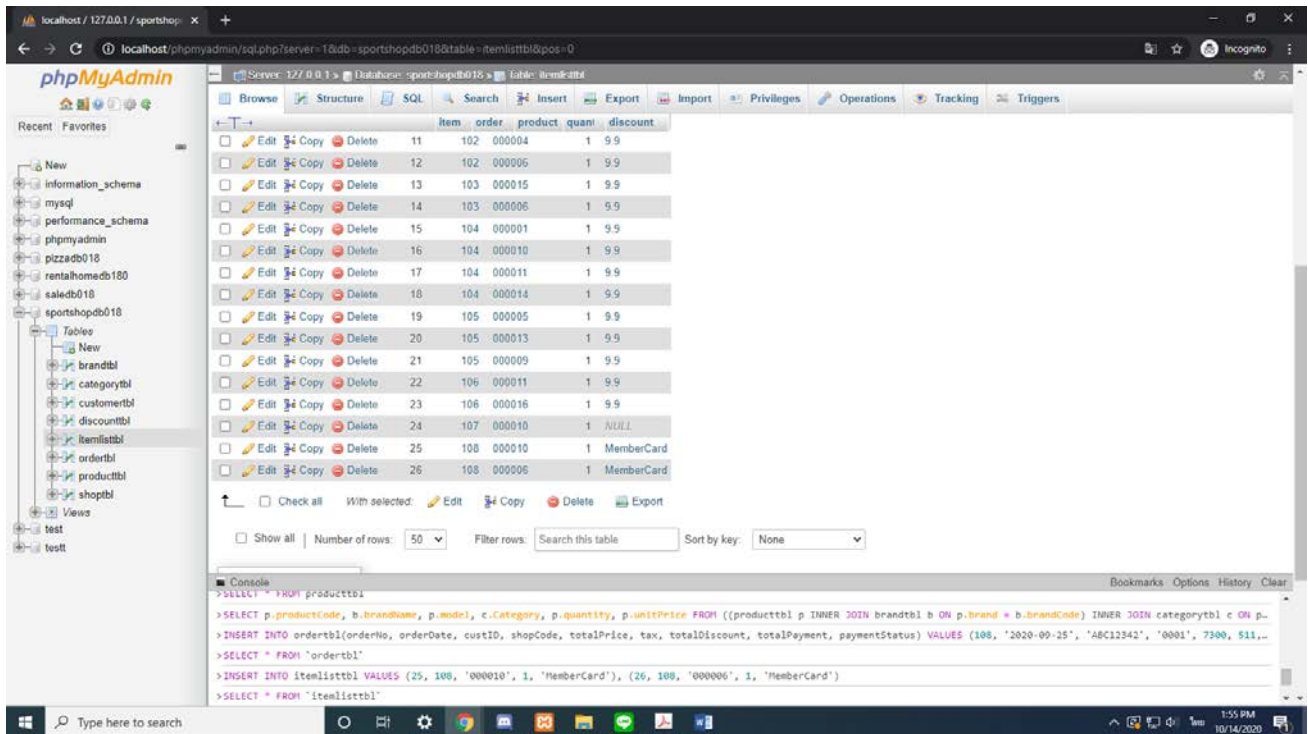
The screenshot shows the phpMyAdmin interface with the 'ordertbl' table selected. The query results are displayed in a table with the following data:

orderNo	orderDate	custID	shopCode	totalPrice	tax	totalDiscount	TotalPayment	paymentStatus	paymentType
100	2020-08-09	ABC12345	0001	19150	1340.5	0	20490.5	ชำระเงินแล้ว	เงินสด
101	2020-08-09	ABC12346	0001	54030	3782.1	2890.61	54921.49	ชำระเงินแล้ว	เงินสด
102	2020-09-09	ABC12342	0001	28390	1987.3	4556.6	25620.7	ชำระเงินแล้ว	เงินสด
103	2020-09-09	ABC12344	0001	7400	518	1187.7	6730.3	ชำระเงินแล้ว	เงินสด
104	2020-09-09	ABC12347	0001	21140	1479.8	3392.97	19226.83	ชำระเงินแล้ว	เงินสด
105	2020-09-09	ABC12341	0001	12330	863	1979	11214	ชำระเงินแล้ว	เงินสด
106	2020-09-09	ABC12345	0001	7090	71	1074	6006	ชำระเงินแล้ว	เงินสด
107	2020-09-25	ABC12341	0001	4800	336	0	5136	ชำระเงินแล้ว	เงินสด
108	2020-09-25	ABC12342	0001	7300	511	390.55	7420.45	ค้างชำระ	
109	2020-10-01	ABC12341	0001	9590	676.3	0	10261.3	ค้างชำระ	



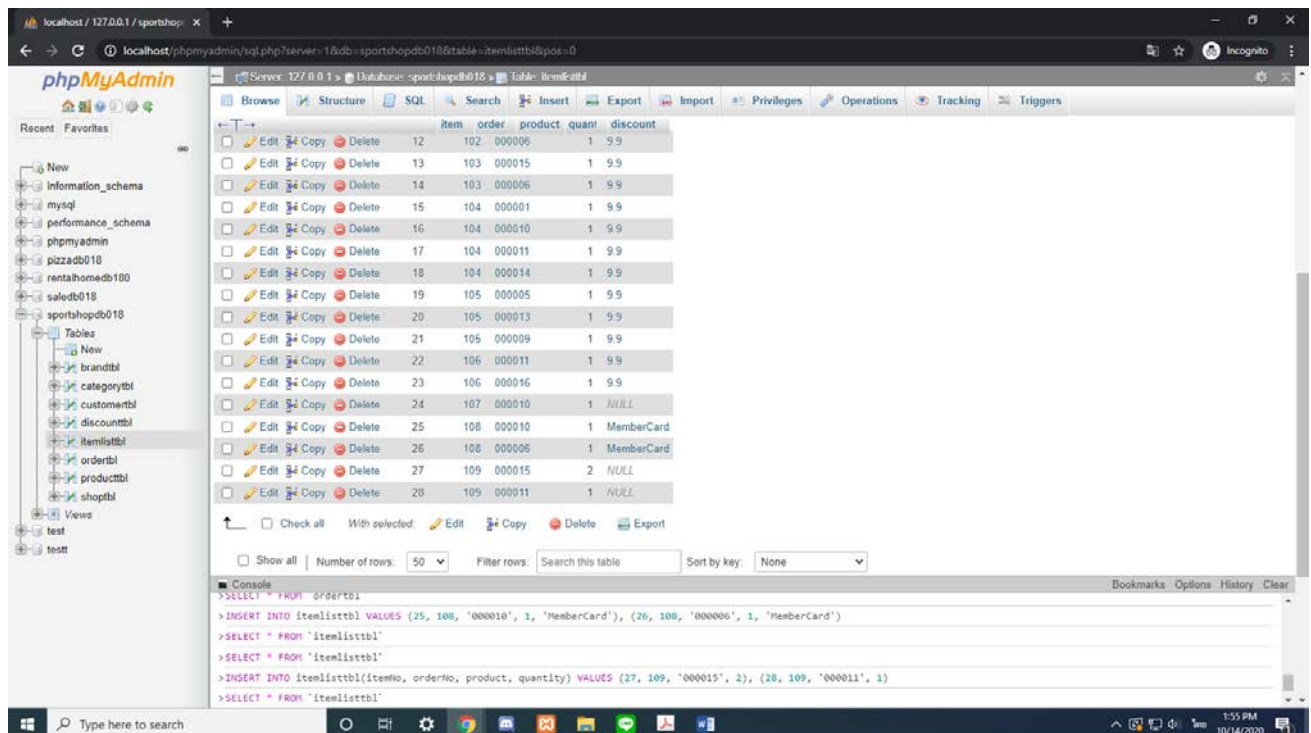
## 2.12 INSERT INTO itemlisttbl

VALUES (25, 108, '000010', 1, 'MemberCard'),  
(26, 108, '000006', 1, 'MemberCard');



## 2.13 INSERT INTO itemlisttbl(itemNo, orderNo, product, quantity)

VALUES (27, 109, '000015', 2),  
(28, 109, '000011', 1);



3. จงสร้าง View ที่มีผลลัพธ์ดังต่อไปนี้ และ Capture หน้าจอ SQL หน้าจอที่ทำให้เกิดผลลัพธ์ แล้วแทรกภาพที่ Capture มาลงในพื้นที่ว่างด้านล่าง

3.1. View ชื่อ NotPayQry โดยกำหนดให้แสดงข้อมูลลูกค้าที่ค้างชำระค่าสินค้า และยอดเงินที่ค้างชำระ

custID	custName	custSurname	Tel	LineID	totalPayment	paymentStatus
ABC12342	สมศรี	สุขสำราญ	0898171010	SriHappy	7420.45	ค้างชำระ
ABC12341	นฤภัทร	สำราญใจ	0868667014	NaRu	10261.3	ค้างชำระ

```
CREATE VIEW NotPayQry
```

```
AS SELECT O.CustID, C.CustName, C.CustSurname, C.Tel, C.LineID, O.TotalPayment, O.PaymentStatus
```

```
FROM ordertbl O
```

```
INNER JOIN customertbl C ON C.custID = O.custID
```

```
WHERE paymentStatus = 'ค้างชำระ'
```

3.2 View ชื่อ TopSpendingQry โดยแสดงข้อมูลลูกค้าที่มียอดการใช้จ่ายสูงสุด และต้องไม่มีการค้างชำระค่าสินค้า

custID	custName	custSurname	TotalSpend
ABC12346	ฟ้าฟ้า	กระจ่างใส	54921.49
ABC12345	ก๊วก๊ว	ขยันจิ๋ว	26576.5
ABC12342	สมศรี	สุขสำราญ	25820.7
ABC12347	ชาย	ขยันยิ่ง	19226.83
ABC12341	นฤภัทร	สำราญใจ	16350
ABC12344	แนน	จิตเจริญ	6730.3

```
CREATE VIEW TopSpendingQry
```

```
AS SELECT O.CustID, C.CustName, C.CustSurname, SUM(O.TotalPayment) AS TotalSpend
```

```
FROM ordertbl O
```

```
INNER JOIN customertbl C ON C.custID = O.custID
```

```
WHERE O.PaymentStatus = 'ชำระแล้ว'
```

```
GROUP BY O.custID
```

```
ORDER BY SUM(O.TotalPayment) DESC
```



3.3 View ชื่อ RoyaltyCustomerQty โดยแสดงข้อมูลลูกค้าที่มีจำนวนครั้งของการซื้อสินค้าตั้งแต่ 2 ครั้งขึ้นไป พร้อมแสดงยอดการใช้จ่ายและต้องไม่มีการค้างชำระค่าสินค้า

custID	custName	custSurname	FrequencyShopping	TotalSpend
ABC12345	ก๊วกไ่	ขยันจิก	2	26576.5
ABC12341	นฤภัทร	สำราญใจ	2	16350

```
CREATE VIEW RoyaltyCustomerQty
AS SELECT O.CustID, C.CustName, C.CustSurname, COUNT(O.CustID) AS FrequencyShopping,
SUM(O.TotalPayment) AS TotalSpend
FROM ordertbl O
INNER JOIN customertbl C ON C.custID = O.custID
WHERE O.PaymentStatus = 'ชำระแล้ว'
GROUP BY O.custID
ORDER BY FrequencyShopping DESC
LIMIT 2
```

3.4 View ชื่อ productPromotionQty แสดงรายการสินค้า จำนวนที่ขายได้ ในแต่ละ promotion

prod_desc	Amount	discount ▼ 1
Suunto Spartan Trainer Wrist HR GOLD	3	MemberCard
SOUL Flex Sport Earphones BlueBlack	3	MemberCard
backbeat fit green	3	MemberCard
Garmin Forerunner 935 Yellow	2	MemberCard
Compressport Training T-shirt Man Black	1	MemberCard
ALTRA Women One V3 Light Blue	3	9.9
Compressport Training T-shirt Man Blue	2	9.9
Gray Rain jackets for women	2	9.9
TomTom Spark Cardio_Black	1	9.9
Black Rain jackets for women	1	9.9
Spenco Total Support Max	1	9.9

```
CREATE VIEW ProductPromotionQty
AS SELECT P.Pro_desc, COUNT(I.Quantity) AS Amount, I.Discount
FROM producttbl P
INNER JOIN itemlisttbl I ON I.Product = P.ProductCode
WHERE NOT I.Discount = ""
GROUP BY P.Pro_desc
ORDER BY I.Discount, Amount DESC
```

### 3.5 View ชื่อ BestSalerCategoryQry แสดงกลุ่มสินค้าที่ขายดี และจำนวนสินค้าที่ขายได้ในแต่ละกลุ่ม

Category	Amount
Sport Gadget	17
Sport Wear	8
Running Shoes	4

```
CREATE VIEW BestSalerCategoryQry
AS SELECT C.Category, SUM(I.Quantity) AS Amount
FROM producttbl P
INNER JOIN itemlisttbl I ON I.Product = P.ProductCode
INNER JOIN categorytbl C ON C.CateCode = P.Category
GROUP BY C.Category
ORDER BY Amount DESC
```

### 3.6 View ชื่อ CustomerOrderInfoQry

custID	custName	custSurname	gender	Tel	emailAddr	TotalSpending	discount
ABC12341	นฤภัทร	สำราญใจ	M	0868667014	narupat.s@gmail.com	25658.6	NULL
ABC12341	นฤภัทร	สำราญใจ	M	0868667014	narupat.s@gmail.com	33642	9.9
ABC12342	สมศรี	สุขสำราญ	F	0898171010	SomSri.Hap@gmail.com	77462.1	9.9
ABC12342	สมศรี	สุขสำราญ	F	0898171010	SomSri.Hap@gmail.com	14840.9	MemberCard
ABC12344	แนน	จิตเจริญ	F	0988811110	anna_ann@hotmail.com	13460.6	9.9
ABC12345	กุกไก่	ขยันจิก	F	0818040007	Chic_Chicken@gmail.com	61471.5	NULL
ABC12345	กุกไก่	ขยันจิก	F	0818040007	Chic_Chicken@gmail.com	12172	9.9
ABC12346	ฟ้าฟ้า	กระฉ่างใส	F	0899915110	BlueSky@gmail.com	329528.94	MemberCard
ABC12347	ชาย	ขยันยิ่ง	M	0878179034	chai.c@hotmail.com	76907.32	9.9

```
CREATE VIEW CustomerOrderInfoQry
AS SELECT C.CustID, C.CustName, C.CustSurname, C.Gender, C.Tel, C.EmailAddr, SUM(O.TotalPayment) AS
TotalSpending, I.Discount
FROM customertbl C
INNER JOIN ordertbl O ON O.CustID = C.CustID
INNER JOIN itemlisttbl I ON I.OrderNo = O.OrderNo
GROUP BY I.OrderNo, I.Discount
ORDER BY C.CustID
```

3.7 View ชื่อ classifyDiscountByGenderQry แสดงข้อมูลรายการลดราคาโดยจำแนกตามเพศของลูกค้า และยอดการใช้จ่าย

discount	gender	totalPayment
NULL	F	61471.50
NULL	M	25658.60
9.9	F	103094.70
9.9	M	110549.32
MemberCard	F	344369.84

```
CREATE VIEW ClassifyDiscountByGenderQry
AS SELECT I.Discount, C.Gender, TRUNCATE(SUM(o.TotalPayment),2) AS TotalPayment
FROM ordertbl O
INNER JOIN itemlisttbl I ON I.OrderNo = O.OrderNo
INNER JOIN customertbl C ON C.CustID = O.CustID
GROUP BY I.Discount, C.Gender
```

-----