

Assignment SQL

1. รายชื่อลูกค้าพร้อมยอดสั่งซื้อ ที่มียอดสั่งซื้อ 5 อันดับแรก ในปี 2004

```
mysql> SELECT s.customerNumber, s.customerName, SUM(od.quantityOrdered * od.priceEach) AS total FROM customers s JOIN orders o ON s.customerNumber = o.customerNumber JOIN orderdetails od ON o.orderNumber = od.orderNumber WHERE YEAR(o.orderDate) = 2004 GROUP BY s.customerNumber, s.customerName ORDER BY total DESC LIMIT 5;
```

customerNumber	customerName	total
141	Euro+ Shopping Channel	340830.87
124	Mini Gifts Distributors Ltd.	231562.53
114	Australian Collectors, Co.	127155.96
131	Land of Toys Inc.	126792.53
298	Vida Sport, Ltd	108777.92

5 rows in set (0.01 sec)

```
mysql> |
```

Query : SELECT s.customerNumber, s.customerName, SUM(od.quantityOrdered * od.priceEach) AS total FROM customers s JOIN orders o ON s.customerNumber = o.customerNumber JOIN orderdetails od ON o.orderNumber = od.orderNumber WHERE YEAR(o.orderDate) = 2004 GROUP BY s.customerNumber, s.customerName ORDER BY total DESC LIMIT 5;

2. ใบสั่งซื้อที่มียอดขายน้อยกว่า 5000 เรียงลำดับจากมากไปน้อย

```
mysql> SELECT o.orderNumber, SUM(od.quantityOrdered * od.priceEach) AS total FROM orders o JOIN orderdetails od ON o.orderNumber = od.orderNumber GROUP BY o.orderNumber HAVING total < 5000 ORDER BY total DESC;
```

orderNumber	total
10256	4710.73
10255	4632.31
10156	4599.52
10385	4466.71
10154	4465.85
10294	4424.40
10189	3879.96
10387	3516.04
10303	3474.66
10376	3452.75
10118	3101.40
10132	2880.00
10277	2611.84
10317	2434.25
10409	2326.18
10286	1960.80
10364	1834.56
10242	1679.92
10345	1676.14
10116	1627.56
10158	1491.38
10144	1128.20
10408	615.45

23 rows in set (0.01 sec)

Query : SELECT o.orderNumber, SUM(od.quantityOrdered * od.priceEach) AS total FROM orders o JOIN orderdetails od ON o.orderNumber = od.orderNumber GROUP BY o.orderNumber HAVING total < 5000 ORDER BY total DESC;

3. แสดงสินค้า จำนวนชิ้นที่ขายได้ ยอดขาย เรียงลำดับตามสินค้า

```
mysql> SELECT p.productName, SUM(od.quantityOrdered) AS quantitySold, SUM(od
od ON p.productCode = od.productCode GROUP BY p.productName ORDER BY p.prod
```

productName	quantitySold	totalSales
18th century schooner	1011	112427.12
18th Century Vintage Horse Carriage	907	85328.57
1900s Vintage Bi-Plane	940	58434.07
1900s Vintage Tri-Plane	1009	68276.35
1903 Ford Model A	883	111528.82
1904 Buick Runabout	990	77800.54
1911 Ford Town Car	832	45306.77
1912 Ford Model T Delivery Wagon	991	77239.92
1913 Ford Model T Speedster	1038	97193.88
1917 Grand Touring Sedan	918	140535.60
1917 Maxwell Touring Car	992	87637.63
1926 Ford Fire Engine	998	55835.30
1928 British Royal Navy Airplane	972	94885.37
1928 Ford Phaeton Deluxe	972	60493.33
1928 Mercedes-Benz 50K	880	122275.08

Query: SELECT p.productName, SUM(od.quantityOrdered) AS quantitySold,
SUM(od.quantityOrdered * od.priceEach) AS totalSales FROM products p JOIN orderdetails od ON
p.productCode = od.productCode GROUP BY p.productName ORDER BY p.productName ASC;

4. แสดงยอดสั่งซื้อจากผู้ขาย (vendor) ทั้งหมด

```
mysql> SELECT p.productVendor, SUM(od.quantityOrdered * od.priceEach) AS totalSales D
ROUP BY p.productVendor ORDER BY totalSales DESC
```

productVendor	totalSales
Classic Metal Creations	934554.42
Unimax Art Galleries	884167.33
Gearbox Collectibles	828013.76
Second Gear Diecast	803892.06
Exoto Designs	793392.31
Welly Diecast Productions	776165.33
Autoart Studio Design	736928.03
Motor City Art Classics	704806.89
Min Lin Diecast	680657.99
Carousel DieCast Legends	667190.00
Highway 66 Mini Classics	664508.39
Red Start Diecast	655487.61
Studio M Art Models	474426.49

13 rows in set (0.01 sec)

Query: SELECT p.productVendor, SUM(od.quantityOrdered * od.priceEach) AS totalSales FROM
products p JOIN orderdetails od ON p.productCode = od.productCode GROUP BY p.productVendor
ORDER BY totalSales DESC;

5.สินค้าที่ทำกำไรสูงสุด 3 อันดับแรก

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uctCode GROUP BY p.productName ORDER BY profit
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productName	profit
1992 Ferrari 360 Spider red	135996.78
1952 Alpine Renault 1300	95282.58
2001 Ferrari Enzo	93349.65

2 rows in set (0.01 sec)

Query: SELECT p.productName, SUM((od.priceEach - p.buyPrice) * od.quantityOrdered) AS profit
 FROM products p JOIN orderdetails od ON p.productCode = od.productCode GROUP BY
 p.productName ORDER BY profit DESC LIMIT 3;