

Assignment_SQL

1. รายชื่อลูกค้าพร้อมยอดสั่งซื้อ ที่มียอดสั่งซื้อ 5 อันดับแรก ในปี 2004

```
mysql> SELECT c.customerNumber , c.customerName, sum(od.quantityOrdered * od.priceEach) as total from
customers c join orders o on c.customerNumber = o.customerNumber join orderdetails od on o.orderNumber
= od.orderNumber where year(o.orderDate) = 2004 group by c.customerNumber, c.customerName order by to
tal 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 (0.00 sec)

2. ใบสั่งซื้อที่มียอดขายน้อยกว่า 5000 เรียงลำดับจากมากไปน้อย

```
mysql> SELECT o.orderNumber, sum(od.quantityOrdered * od.priceEach) as total from orders o join orderd
etails 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

3. แสดงสินค้า จำนวนชิ้นที่ขายได้ ยอดขาย เรียงลำดับตามสินค้า

```
mysql> 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;
```

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 SSK	880	132275.98
1930 Buick Marquette Phaeton	1074	41599.24
1932 Alfa Romeo 8C2300 Spider Sport	866	71526.22
1932 Model A Ford J-Coupe	957	109992.01
1934 Ford V8 Coupe	985	55172.21
1936 Chrysler Airflow	983	88434.46
1936 Harley Davidson EL Knucklehead	945	49992.72
1936 Mercedes Benz 500k Roadster	824	29763.39
1936 Mercedes-Benz 500K Special Roadster	960	46078.29
1937 Horch 930V Limousine	884	52803.75
1937 Lincoln Berline	1111	102563.52
1938 Cadillac V-16 Presidential Limousine	955	38449.09

4. แสดงยอดสั่งซื้อจากผู้ขาย (vendor) ทั้งหมด

```
mysql> SELECT p.productVendor, sum(od.quantityOrdered * od.priceEach) as total FROM products p join orderdetails od on p.productCode = od.productCode group by p.productVendor ;
```

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

13 rows in set (0.01 sec)

5. สินค้าที่ทำกำไรสูงสุด 3 อันดับแรก

```
mysql> SELECT p.productName, sum(od.quantityOrdered * (od.priceEach - p.buyPrice)) as profit from products p join orderdetails od on p.productCode = od.productCode group by p.productName order by profit desc limit 3;
```

productName	profit
1992 Ferrari 360 Spider red	135996.78
1952 Alpine Renault 1300	95282.58
2001 Ferrari Enzo	93349.65

3 rows in set (0.01 sec)

```
mysql> |
```