

중간고사 리포트

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1. 공급자의 이름과 공급자가 공급하는 물품의 평균 가격을 내림차순으로 출력하시오.

SQL Statement:

```
SELECT ProductName, AVG(Price) AS MEAN_Price
FROM Products p, Suppliers s
WHERE p.SupplierID = s.SupplierID
GROUP BY p.SupplierID
ORDER BY MEAN_Price desc;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 29

ProductName	MEAN_Price
Côte de Blaye	140.75
Mishi Kobe Niku	46
Rössle Sauerkraut	44.678000000000004

2. 주문을 한 번도 하지 않은 고객명, 담당자, 주소를 출력하시오.

SQL Statement:

```
SELECT CustomerName, ContactName, Address
FROM Customers
WHERE CustomerID NOT IN (SELECT CustomerID FROM Orders)
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 17

CustomerName	ContactName	Address
Alfreds Futterkiste	Maria Anders	Obere Str. 57
Blauer See Delikatessen	Hanna Moos	Forsterstr. 57
Cactus Comidas para llevar	Patricio Simpson	Cerrito 333

3. 가격이 가장 비싼 물건과 싼 물건의 상품명, 가격, 공급자명을 추출하시오.

<전체 코드>

```
SELECT ProductName, Price, s.SupplierName
FROM Products p, Suppliers s
WHERE p.SupplierID = s.SupplierID AND Price >= ALL (SELECT Price FROM Products)
UNION
SELECT ProductName, Price, s.SupplierName
FROM Products p, Suppliers s
WHERE p.SupplierID = s.SupplierID AND Price <= ALL (SELECT Price FROM Products);
```

SQL Statement:

```
SELECT ProductName, Price, s.SupplierName
FROM Products p, Suppliers s
WHERE p.SupplierID = s.SupplierID AND Price >= ALL (SELECT Price FROM Products)
UNION
SELECT ProductName, Price, s.SupplierName
FROM Products p, Suppliers s
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 2

ProductName	Price	SupplierName
Côte de Blaye	263.5	Aux joyeux ecclésiastiques
Geitost	2.5	Norske Meierier

4. 사는 도시가 같은 고객들의 순서쌍을 출력하시오.

SQL Statement:

```
SELECT s1.CustomerName, s2.CustomerName
FROM Customers s1, Customers s2
WHERE s1.City = s2.City and s1.CustomerID > s2.CustomerID
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 44

s1.CustomerName	s2.CustomerName
Antonio Moreno Taquería	Ana Trujillo Emparedados y helados
Centro comercial Moctezuma	Ana Trujillo Emparedados y helados
Tortuga Restaurante	Ana Trujillo Emparedados y helados

5. 직원이 담당한 직원별 총 매출액(가격X수량)을 추출하시오.

SQL Statement:

```
SELECT LastName, FirstName, SUM(Quantity*Price) as tot_revenue
FROM OrderDetails od, Employees e, Orders o, Products p
WHERE od.OrderID = o.OrderID AND o.EmployeeID = e.EmployeeID AND p.ProductID = od.ProductID
GROUP BY LastName, FirstName
ORDER BY sum(Quantity*Price) desc
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 9

LastName	FirstName	tot_revenue
Peacock	Margaret	105696.5
Davolio	Nancy	57690.39
Leverling	Janet	42838.35

6. 2번 이상 구매한 고객의 이름과 구매횟수를 구하시오.

SQL Statement:

```
SELECT CustomerName, COUNT(*) as Frequency
FROM Customers c, Orders o
WHERE c.CustomerID = o.CustomerID
GROUP BY CustomerName
HAVING COUNT(*) >= 2
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 52

CustomerName	Frequency
Around the Horn	2
Berglunds snabbköp	3
Blondel père et fils	4

7. 생일이 7월인 직원의 LastName과 FirstName을 추출하시오.

SQL Statement:

```
SELECT LastName, FirstName, BirthDate
FROM Employees
WHERE BirthDate LIKE '7/%'
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 2

LastName	FirstName	BirthDate
Suyama	Michael	7/2/1963
Dodsworth	Anne	7/2/1969

8. 공급업체가 존재하는 도시에 사는 고객의 주소 이름 도시를 추출하시오.

SQL Statement:

```
SELECT CustomerName, Address, City
FROM Customers
WHERE City IN (SELECT DISTINCT City FROM Suppliers)
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 8

CustomerName	Address	City
Alfreds Futterkiste	Obere Str. 57	Berlin
Comércio Mineiro	Av. dos Lusíadas, 23	São Paulo
Família Arquibaldo	Rua Orós, 92	São Paulo

9. 공급자 이름과 각 공급자 별 취급하는 물품의 개수를 내림차순으로 정렬하시오.

SQL Statement:

```
SELECT SupplierName, COUNT(CategoryID) AS HandlingGoods
FROM Suppliers s, Products p
WHERE s.SupplierID = p.SupplierID
GROUP BY SupplierName
ORDER BY COUNT(CategoryID) desc
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 29

SupplierName	HandlingGoods
Plutzer Lebensmittelgroßmärkte AG	5
Pavlova, Ltd.	5
Specialty Biscuits, Ltd.	4

10. 외부조인과 NULL를 사용해서 한 번도 거래하지 않은 고객을 추출하시오.

SQL Statement:

```
SELECT Customers.CustomerName
FROM Customers
LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID
WHERE Orders.OrderID IS NULL
ORDER BY Customers.CustomerName
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 17

CustomerName
Alfreds Futterkiste
Blauer See Delikatessen