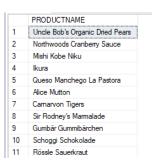# Testing

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1 Introduction

In this document i will explain the home task step by step.

2 Tasks

2.1 List name of Products who price is Above average

```
SELECT PRODUCTNAME
FROM Products
WHERE UnitPrice > (
    SELECT AVG( UnitPrice )
    FROM Products
)
```
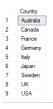
	PRODUCTNAME
1	Uncle Bob's Organic Dried Pears
2	Northwoods Cranberry Sauce
3	Mishi Kobe Niku
4	Ikura
5	Queso Manchego La Pastora
6	Alice Mutton
7	Carnarvon Tigers
8	Sir Rodney's Marmalade
9	Gumbär Gummibärchen
10	Schoggi Schokolade
11	Rössle Sauerkraut

2.2 Showing Date wise product shipped
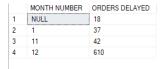
```
SELECT *
FROM ORDERS
ORDER BY ShippedDate
```

2.3 List Name of Country where two or more Suppliers belong to

SELECT Country
FROM Suppliers
GROUP BY COUNTRY
HAVING COUNT(COUNTRY) > 1

	Country
1	Australia
2	Canada
3	France
4	Germany
5	Italy
6	Japan
7	Sweden
8	UK
9	USA

2.4 Show Month wise delayed Orders

SELECT MONTH(ShippedDate−RequiredDate) AS [MONTH NUMBER] ,COUNT(OrderID) AS [ORDE
FROM ORDERS
GROUP BY MONTH(ShippedDate−RequiredDate)

	MONTH NUMBER	ORDERS DELAYED
1	NULL	18
2	1	37
3	11	42
4	12	610

2.5 Report all the Discounted Orders with discount against each order

SELECT OrderID ,SUM(Discount) AS DISCOUNT
FROM [Order Details]
WHERE Discount <> 0
GROUP BY OrderID

	OrderID	DISCOUNT
1	10250	0.300000011920929
2	10251	0.100000001490116
3	10252	0.100000001490116
4	10254	0.300000011920929
5	10260	0.75
6	10262	0.200000002980232
7	10263	0.75
8	10264	0.150000005960464
9	10266	0.0500000007450581
10	10267	0.300000011920929
11	10269	0.100000001490116

2.6 list the number of orders which were shipped in the cities of USA in 1997

SELECT ShipCity , COUNT(ORDERID) AS [NO. OF ORDERS]
FROM ORDERS
WHERE ShipCountry='USA' AND YEAR(ShippedDate)=1997
GROUP BY ShipCity

	ShipCity	NO. OF ORDERS
1	Albuquerque	4
2	Anchorage	3
3	Boise	16
4	Butte	2
5	Elgin	3
6	Eugene	5
7	Kirkland	2
8	Lander	2
9	Portland	3
10	San Francisco	2
11	Seattle	7

2.7 Show country with delayed orders

SELECT ShipCountry , COUNT(ORDERID) AS [ORDERS DELAYED]
FROM ORDERS
WHERE ShippedDate > RequiredDate
GROUP BY ShipCountry
ORDER BY [ORDERS DELAYED] DESC

2.8 Report all the orders which have been discounted with total price of order

SELECT OrderID ,SUM(DISCOUNT) AS DISCOUNT,SUM(UNITPRICE) AS [TOTAL PRICE]
FROM [Order Details]

	ShipCountry	ORDERS DELAYED
1	USA	7
2	UK	4
3	Germany	4
4	Ireland	3
5	Sweden	3
6	France	2
7	Venezuela	2
8	Italy	2
9	Brazil	2
10	Finland	1
11	Argentina	1

WHERE Discount <> 0
GROUP BY OrderID

	OrderID	DISCOUNT	TOTAL PRICE
1	10250	0.300000011920929	59.20
2	10251	0.100000001490116	32.40
3	10252	0.100000001490116	66.80
4	10254	0.300000011920929	22.80
5	10260	0.75	59.10
6	10262	0.200000002980232	17.00
7	10263	0.75	42.60
8	10264	0.150000005960464	7.70
9	10266	0.0500000007450581	30.40
10	10267	0.300000011920929	58.40
11	10269	0.100000001490116	29.80

2.9 list the number of orders which were shipped in the cities of each region in 1997

SELECT ShipRegion ,ShipCity ,COUNT(ORDERID) AS ORDERS
FROM ORDERS
WHERE YEAR(ShippedDate) = 1997
GROUP BY ShipCity ,ShipRegion

	ShipRegion	ShipCity	ORDERS
1	NULL	Århus	5
2	NULL	Barcelona	2
3	NULL	Bergamo	5
4	NULL	Berlin	3
5	NULL	Bern	2
6	NULL	Bräcke	7
7	NULL	Brandenburg	4
8	NULL	Bruxelles	3
9	NULL	Buenos Aires	6
10	NULL	Charleroi	4
11	NULL	Cunewalde	13