

HOME TASKS



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Contents

1	Home Tasks:	3
1.1	Write a query to report orders which were delayed shipped.	3
1.2	Our employees belong to how many countries. List the names.	3
1.3	Is there any employee who is not accountable?.	4
1.4	List the names of products which have been discontinued.	4
1.5	List the IDs the orders on which discount was not provided.	4
1.6	Enlist the names of customers who have not specified their region.	5
1.7	Enlist the names of customers along with contact number who either belongs to UK or USA.	5
1.8	Report the names of companies who have provided their web page.	6
1.9	In which countries, products were sold in year 1997.	6
1.10	List the ids of customers whose orders were never shipped.	7
1.11	Write a query to report suppliers with their id, company name and city.	7
1.12	Our employees belong to how many countries. List those who are used to live in London.	7
1.13	List the names of products which have not been discontinued.	8
1.14	List the IDs the orders on which the discount was 0.1 or less.	8
1.15	Enlist the IDS, names of employees, and their contact numbers with extensions who have not specified their region.	9

1 Home Tasks:

1.1 Write a query to report orders which were delayed shipped.

Query

```
SELECT *
FROM Orders
WHERE ShippedDate > RequiredDate;
```

Output :

	OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName	ShipAddress	ShipCity	ShipRegion	ShipPostalCode	ShipCountry
5	10309	HUNGO	3	1996-09-19 00:00:00...	1996-10-17 00:00:00...	1996-10-23 00:00:00...	1	47.30	Hungry Owl All-Night Grocers	8 Johnston Road	Cork	Co. Cork	NULL	Ireland
6	10320	WARTH	5	1996-10-03 00:00:00...	1996-10-17 00:00:00...	1996-10-18 00:00:00...	3	34.57	Wartian Herkku	Torikatu 38	Oulu	NULL	90110	Finland
7	10380	HUNGO	8	1996-12-12 00:00:00...	1997-01-09 00:00:00...	1997-01-16 00:00:00...	3	35.03	Hungry Owl All-Night Grocers	8 Johnston Road	Cork	Co. Cork	NULL	Ireland
8	10423	GOURL	6	1997-01-23 00:00:00...	1997-02-06 00:00:00...	1997-02-24 00:00:00...	3	24.50	Gourmet Lanchonetes	Av. Brasil, 442	Campinas	SP	04876-786	Brazil
9	10427	PICCO	4	1997-01-27 00:00:00...	1997-02-24 00:00:00...	1997-03-03 00:00:00...	2	31.29	Piccolo und mehr	Geislweg 14	Salzburg	NULL	5020	Austria
10	10433	PRINI	3	1997-02-03 00:00:00...	1997-03-03 00:00:00...	1997-03-04 00:00:00...	3	73.83	Princesa Isabel Vinhos	Estrada da saúde n. 58	Lisboa	NULL	1756	Portugal
11	10451	QUICK	4	1997-02-19 00:00:00...	1997-03-05 00:00:00...	1997-03-12 00:00:00...	3	189.09	QUICK-Stop	Tauchenstraße 10	Cunewalde	NULL	01307	Germany
12	10483	WHITC	7	1997-03-24 00:00:00...	1997-04-21 00:00:00...	1997-04-25 00:00:00...	2	15.28	White Clover Markets	1029 - 12th Ave. S.	Seattle	WA	98124	USA
13	10515	QUICK	2	1997-04-23 00:00:00...	1997-05-07 00:00:00...	1997-05-23 00:00:00...	1	204.47	QUICK-Stop	Tauchenstraße 10	Cunewalde	NULL	01307	Germany
14	10523	SEVES	7	1997-05-01 00:00:00...	1997-05-29 00:00:00...	1997-05-30 00:00:00...	2	77.63	Seven Seas Imports	90 Wadhurst Rd.	London	NULL	OX15 4NB	UK
15	10545	LAZYK	8	1997-05-22 00:00:00...	1997-06-19 00:00:00...	1997-06-26 00:00:00...	2	11.92	Lazy K Kountry Store	12 Orchestra Terrace	Walla Walla	WA	99362	USA
16	10578	BSBEV	4	1997-06-24 00:00:00...	1997-07-22 00:00:00...	1997-07-25 00:00:00...	3	29.60	B's Beverages	Fauntleroy Circus	London	NULL	EC2 5NT	UK
17	10593	LEHMS	7	1997-07-09 00:00:00...	1997-08-06 00:00:00...	1997-08-13 00:00:00...	2	174.20	Lehmanns Marktstand	Magazinweg 7	Frankfurt ...	NULL	60528	Germany
18	10596	WHITC	8	1997-07-11 00:00:00...	1997-08-08 00:00:00...	1997-08-12 00:00:00...	1	16.34	White Clover Markets	1029 - 12th Ave. S.	Seattle	WA	98124	USA
19	10660	HUNGC	8	1997-09-08 00:00:00...	1997-10-06 00:00:00...	1997-10-15 00:00:00...	1	111.29	Hungry Coyote Import Store	City Center Plaza 516...	Elgin	OR	97827	USA
20	10663	BONAP	2	1997-09-10 00:00:00...	1997-09-24 00:00:00...	1997-10-03 00:00:00...	2	113.15	Bon app'	12, rue des Bouchers	Marseille	NULL	13008	France
21	10687	HUNGO	9	1997-09-30 00:00:00...	1997-10-28 00:00:00...	1997-10-30 00:00:00...	2	296.43	Hungry Owl All-Night Grocers	8 Johnston Road	Cork	Co. Cork	NULL	Ireland
22	10705	HILAA	9	1997-10-15 00:00:00...	1997-11-12 00:00:00...	1997-11-18 00:00:00...	2	3.52	HILARION-Abastos	Camera 22 con Ave. ...	San Cristó...	Táchira	5022	Venezuela
23	10726	EASTC	4	1997-11-03 00:00:00...	1997-11-17 00:00:00...	1997-12-05 00:00:00...	1	16.56	Eastern Connection	35 King George	London	NULL	WX3 6FW	UK
24	10727	REGGC	2	1997-11-03 00:00:00...	1997-12-01 00:00:00...	1997-12-05 00:00:00...	1	89.90	Reggiani Caseifici	Strada Provinciale 124	Reggio E...	NULL	42100	Italy
25	10749	ISLAT	4	1997-11-20 00:00:00...	1997-12-18 00:00:00...	1997-12-19 00:00:00...	2	61.53	Island Trading	Garden House Crowt...	Cowes	Isle of Wi...	PO31 7PJ	UK
26	10777	GOURL	7	1997-12-15 00:00:00...	1997-12-29 00:00:00...	1998-01-21 00:00:00...	2	3.01	Gourmet Lanchonetes	Av. Brasil, 442	Campinas	SP	04876-786	Brazil
27	10779	MORGK	3	1997-12-16 00:00:00...	1998-01-13 00:00:00...	1998-01-14 00:00:00...	2	58.13	Morgenstern Gesundkost	Heenstr. 22	Leipzig	NULL	04179	Germany
28	10807	FRANS	4	1997-12-31 00:00:00...	1998-01-28 00:00:00...	1998-01-30 00:00:00...	1	1.36	Franchi S.p.A.	Via Monte Bianco 34	Torino	NULL	10100	Italy
29	10816	GREAL	4	1998-01-06 00:00:00...	1998-01-13 00:00:00...	1998-02-04 00:00:00...	2	719.78	Great Lakes Food Market	2732 Baker Blvd.	Eugene	OR	97403	USA
30	10828	RAHCH	9	1998-01-13 00:00:00...	1998-01-27 00:00:00...	1998-02-04 00:00:00...	1	90.85	Rancho grande	Av. del Libertador 900	Buenos Ai...	NULL	1010	Argentina
31	10847	SAVEA	4	1998-01-22 00:00:00...	1998-02-05 00:00:00...	1998-02-10 00:00:00...	3	487.57	Save-a-lot Markets	187 Suffolk Ln.	Boise	ID	83720	USA
32	10924	BERGS	3	1998-03-04 00:00:00...	1998-04-01 00:00:00...	1998-04-08 00:00:00...	2	151.52	Berglunds snabbköp	Berguvsvägen 8	Luleå	NULL	S-958 22	Sweden
33	10927	LACOR	4	1998-03-05 00:00:00...	1998-04-02 00:00:00...	1998-04-08 00:00:00...	1	19.79	La come d'abondance	67, avenue de l'Europe	Versailles	NULL	78000	France
34	10960	HILAA	3	1998-03-19 00:00:00...	1998-04-02 00:00:00...	1998-04-08 00:00:00...	1	2.08	HILARION-Abastos	Camera 22 con Ave. ...	San Cristó...	Táchira	5022	Venezuela
35	10970	BOLID	9	1998-03-24 00:00:00...	1998-04-07 00:00:00...	1998-04-24 00:00:00...	1	16.16	Bólido Comidas preparadas	C/ Araquil, 67	Madrid	NULL	28023	Spain

1.2 Our employees belong to how many countries. List the names.

Query

```
SELECT COUNT(DISTINCT Country) AS TOTAL COUNTRIES
FROM Employees;
```

```
SELECT DISTINCT Country
FROM Employees;
```

Output :

	TOTALCOUNTRIES
1	2

	Country
1	UK
2	USA

1.3 Is there any employee who is not accountable?.

Query

```
SELECT *  
FROM Employees  
WHERE ReportsTo is NULL;
```

Output :

	EmployeeID	Last Name	First Name	Title	TitleOfCourtesy	BirthDate	HireDate	Address	City	Region	PostalCode	Country	HomePhone	Extension	Photo
1	2	Fuller	Andrew	Vice President, Sales	Dr.	1952-02-19 00:00:00.000	1992-08-14 00:00:00.000	908 W. Capital Way	Tacoma	WA	98401	USA	(206) 555-9482	3457	0x151C2F0002000000

1.4 List the names of products which have been discontinued.

Query

```
SELECT ProductName  
FROM Products  
WHERE Discontinued=0;
```

Output :

	ProductName
59	Laughing Lumberjack Lager
60	Scottish Longbreads
61	Gudbrandsdalsost
62	Outback Lager
63	Flotemysost
64	Mozzarella di Giovanni
65	Röd Kaviar
66	Longlife Tofu
67	Rhönbräu Klosterbier
68	Lakkalikööri
69	Original Frankfurter grüne Soße

1.5 List the IDs the orders on which discount was not provided.

Query

```
SELECT DISTINCT OrderID  
FROM [Order Details]  
WHERE Discount=0;
```

Output :

	OrderID
519	11056
520	11057
521	11058
522	11059
523	11060
524	11061
525	11063
526	11066
527	11070
528	11072
529	11073

1.6 Enlist the names of customers who have not specified their region. .

Query

```
SELECT ContactName
From Customers
Where Region IS null;
```

Output :

	ContactName
50	Dominique Perrier
51	Pascale Cartrain
52	Karin Josephs
53	Miguel Angel Pa...
54	Palle Ibsen
55	Mary Saveley
56	Paul Henriot
57	Rita Müller
58	Pirkko Koskitalo
59	Matti Karttunen
60	Zbyszek Piestrze...

1.7 Enlist the names of customers along with contact number who either belongs to UK or USA.

Query

```
SELECT ContactName,Phone
FROM Customers
WHERE Country = 'UK' OR Country = 'USA';
```

Output :

	ContactName	Phone
10	Fran Wilson	(503) 555-9573
11	Simon Crowther	(171) 555-7733
12	Rene Phillips	(907) 555-7584
13	Paula Wilson	(505) 555-5939
14	Jose Pavarotti	(208) 555-8097
15	Hari Kumar	(171) 555-1717
16	Art Braunschwe...	(307) 555-4680
17	Liz Nixon	(503) 555-3612
18	Liu Wong	(406) 555-5834
19	Helvetius Nagy	(206) 555-8257
20	Karl Jablonski	(206) 555-4112

1.8 Report the names of companies who have provided their web page.

Query

```
SELECT CompanyName
FROM Suppliers
WHERE Suppliers.HomePage is not null;
```

Output :

	CompanyName
1	New Orleans Cajun Delights
2	Mayumi's
3	Plutzer Lebensmittelgroßmärkte AG
4	Formaggi Fortini s.r.l.
5	G'day, Mate

1.9 In which countries, products were sold in year 1997.

Query

```
SELECT DISTINCT ShipCountry
FROM Orders
WHERE year(ShippedDate) LIKE '1997';
```

Output :

	ShipCountry
11	Italy
12	Mexico
13	Norway
14	Poland
15	Portugal
16	Spain
17	Sweden
18	Switzerland
19	UK
20	USA
21	Venezuela

1.10 List the ids of customers whose orders were never shipped.

Query

```
SELECT CustomerID
FROM Orders
WHERE ShippedDate is null;
```

Output :

	CustomerID
8	RICAR
9	GREAL
10	REGGC
11	LILAS
12	QUEEN
13	LEHMS
14	ERNSH
15	PERIC
16	SIMOB
17	RICSU
18	BONAP

1.11 Write a query to report suppliers with their id, company name and city.

Query

```
SELECT SupplierID,CompanyName,City
FROM Suppliers;
```

Output

	SupplierID	CompanyName	City
18	18	Aux joyeux ecclésiastiques	Paris
19	19	New England Seafood Cannery	Boston
20	20	Leka Trading	Singapore
21	21	Lyngbysild	Lyngby
22	22	Zaanse Snoepfabriek	Zaandam
23	23	Karkki Oy	Lappeenra...
24	24	G'day, Mate	Sydney
25	25	Ma Maison	Montréal
26	26	Pasta Buttini s.r.l.	Salemo
27	27	Escargots Nouveaux	Montceau
28	28	Gai pâturage	Annecy
29	29	Forêts d'érables	Ste-Hyacin...

1.12 Our employees belong to how many countries. List those who are used to live in London.

Query

```
SELECT COUNT(DISTINCT Country) AS TotalCountries
FROM Employees;
SELECT *
FROM Employees
WHERE City ='london';
```

Output

Results Messages															
TotalCountries															
1	2														
EmployeeID	LastName	FirstName	Title	TitleOfCourtesy	BirthDate	HireDate	Address	City	Region	PostalCode	Country	HomePhone	Extension	Photo	
1	5	Buchanan	Steven	Sales Manager	Mr.	1955-03-04 00:00:00.000	1993-10-17 00:00:00.000	14 Garrett Hill	London	NULL	SW1 8JR	UK	(71) 555-4848	3453	0x151C2F
2	6	Suyama	Michael	Sales Representative	Mr.	1963-07-02 00:00:00.000	1993-10-17 00:00:00.000	Coventry House, Miner Rd.	London	NULL	EC2 7JR	UK	(71) 555-7773	428	0x151C2F
3	7	King	Robert	Sales Representative	Mr.	1960-05-29 00:00:00.000	1994-01-02 00:00:00.000	Edgeham Hollow, Winchester Way	London	NULL	RG1 9SP	UK	(71) 555-5598	465	0x151C2F
4	9	Dodsworth	Anne	Sales Representative	Ms.	1966-01-27 00:00:00.000	1994-11-15 00:00:00.000	7 Houndstooth Rd.	London	NULL	WG2 7LT	UK	(71) 555-4444	452	0x151C2F

1.13 List the names of products which have not been discontinued.

Query

```
SELECT ProductName
FROM Products
WHERE Discontinued=1;
```

Output

Results Messages															
Product Name															
1	Chef Anton's Gumbo Mix														
2	Mishi Kobe Niku														
3	Alice Mutton														
4	Guaraná Fantástica														
5	Rössle Sauerkraut														
6	Thüringer Rostbratwurst														
7	Singaporean Hokkien Fried Mee														
8	Perth Pasties														

1.14 List the IDs the orders on which the discount was 0.1 or less.

Query

```
SELECT OrderID, Discount
From [Order Details]
WHERE Discount <= 0.1
```

Output

OrderID	
1387	11066
1388	11066
1389	11066
1390	11070
1391	11072
1392	11072
1393	11072
1394	11072
1395	11073
1396	11073
1397	11074

1.15 Enlist the IDS, names of employees, and their contact numbers with extensions who have not specified their region.

Query

```
SELECT EmployeeID AS ID, CONCAT(FirstName, LastName) AS Name,  
HomePhone AS ContactNumber  
FROM Employees  
WHERE region is null;
```

Output

	ID	Name	ContactNumber
1	5	StevenBuchanan	(71) 555-4848
2	6	MichaelSuyama	(71) 555-7773
3	7	RobertKing	(71) 555-5598
4	9	AnneDodsworth	(71) 555-4444