DBS311 Assignment 1:

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Asnwer2:

SELECT cus.cust\_no, cus.cname, ord.order\_no

FROM orders ord

INNER JOIN customers cus ON ord.cust\_no = cus.cust\_no

INNER JOIN orderlines ordl ON ord.order\_no = ordl.order\_no

WHERE cus.cname LIKE '%Out%'

AND ordl.prod\_no IN (

40301,

40303,

40310,

40306

)

ORDER BY ord.order\_no;

\*Output:

CUST\_NO CNAME ORDER\_NO

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1121 GO Outlet Manchester 15

1098 GO Outlet Madrid 27

1055 OutBack Pty 1 30

1120 GO Outlet London 49

1009 GO Outlet Kista AB 137

1011 GO Outlet Singapore 200

1122 GO Outlet New York 218

1122 GO Outlet New York 278

8 rows selected.

Answer3:

SELECT cust\_no, cname, country\_cd

FROM customers

WHERE LOWER(country\_cd) = LOWER('&CountryCode');

\*Output:

old:SELECT cust\_no, cname, country\_cd

FROM customers

WHERE LOWER(country\_cd) = LOWER('&CountryCode')

new:SELECT cust\_no, cname, country\_cd

FROM customers

WHERE LOWER(country\_cd) = LOWER('ca')

CUST\_NO CNAME CO

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1001 Go Outlet Montreal CA

1003 Vacation Central 5 CA

1010 Andes Camping Supplies 6 CA

1013 New Wave Wilderness 6 CA

1024 Laperier Sportifs 5 CA

1031 GO Outlet Ottawa CA

1033 Supras Camping Suplies 3 CA

1042 Vacation Central 4 CA

1048 Supras Camping Supplies 5 CA

1050 Supras Camping Supplies 6 CA

1061 Outdoor Central Ltd CA

1067 Andes Camping Supplies 1 CA

1068 Andes Camping Supplies 2 CA

1069 Andes Camping Supplies 3 CA

1070 Andes Camping Supplies 4 CA

1091 Clear Valley Waters 1 CA

1092 Clear Valley Waters 2 CA

1093 Clear Valley Waters 3 CA

1094 Clear Valley Waters 4 CA

1108 New Wave Wilderness 2 CA

1116 Kay Mart 2 CA

1117 Kay Mart 3 CA

1118 Kay Mart 4 CA

1123 Laperier Sportifs 1 CA

1124 Laperier Sportifs 2 CA

1125 Laperier Sportifs 3 CA

1126 Laperier Sportifs 4 CA

1132 Excellence en Montagne CA

1133 Back woods up front Ltd. CA

29 rows selected.

Answer4:

SELECT cus.cust\_no, cus.cname, cus.address1, cny.country\_name, cus.city, ord.order\_no, prd.prod\_name,(ordl.price \* ordl.qty) AS "Line Sales"

FROM customers cus

INNER JOIN countries cny ON cus.country\_cd = cny.country\_id

INNER JOIN orders ord ON cus.cust\_no = ord.cust\_no

INNER JOIN orderlines ordl ON ord.order\_no = ordl.order\_no

INNER JOIN products prd ON ordl.prod\_no = prd.prod\_no

WHERE cny.country\_name LIKE 'United Kingdom'

AND cus.cust\_no < 1000

AND cus.city LIKE 'T%'

ORDER BY cus.cust\_no DESC;

\*Output:

no rows selected

Answer5:

SELECT cus.cname, orderline.order\_no, SUM(orderline.qty \* orderline.price) AS "Totaldollars"

FROM orders ord

INNER JOIN customers cus ON ord.cust\_no = cus.cust\_no

INNER JOIN orderlines orderline ON ord.order\_no = orderline.order\_no

WHERE cus.city LIKE 'London'

GROUP BY cus.cname, orderline.order\_no

ORDER BY SUM(orderline.qty \* orderline.price) DESC;

Output:

CNAME ORDER\_NO Totaldollars

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GO Outlet London 107 28466

GO Outlet London 61 17739

GO Outlet London 29 6580

GO Outlet London 49 6446

Trees to Seas Ltd 170 5728

Trees to Seas Ltd 122 5056

6 rows selected.

Answer6:

SELECT cus.cust\_no, cus.cname, cus.address1, cus.city, co.country\_name  
FROM customers cus

INNER JOIN orders ord ON cus.cust\_no = ord.cust\_no  
INNER JOIN countries co ON cus.country\_cd = co.country\_id

WHERE ord.order\_dt LIKE '%2014'  
AND co.country\_id IN('DE', 'CA', 'ES', 'IT');

\*Output:

   CUST\_NO CNAME                          ADDRESS1                            CITY                 COUNTRY\_NAME                              
---------- ------------------------------ ----------------------------------- -------------------- ----------------------------------------  
      1042 Vacation Central 4             84042 Docklands Street              Vancouver            Canada                                    
      1037 Ultra Sports 3                 H404eideweg 18                      Frankfurt            Germany                                   
      1054 Supras Camping Supplies 8      L404innestrasse 32                  Frankfurt            Germany                                   
      1051 Sportwaren G.m.b.H. 1          S404chwanseeplatz 13                Munich               Germany                                   
      1048 Supras Camping Supplies 5      84047 Florence                      Toronto              Canada                                    
      1048 Supras Camping Supplies 5      84047 Florence                      Toronto              Canada                                    
      1048 Supras Camping Supplies 5      84047 Florence                      Toronto              Canada                                    
      1132 Excellence en Montagne         14048, rue Rousseau                 Montreal             Canada                                    
      1069 Andes Camping Supplies 3       14048 Thompson Rd                   Kamploops            Canada                                    
      1033 Supras Camping Suplies 3       640460 Blvd Elizabeth II            Montreal             Canada                                    
      1067 Andes Camping Supplies 1       1404117 Franklin Blvd               Winnipeg             Canada                                    
      1052 Sportwaren G.m.b.H. 2          S404chwabentor 35                   Hamburg              Germany                                   
      1069 Andes Camping Supplies 3       14048 Thompson Rd                   Kamploops            Canada                                    
      1054 Supras Camping Supplies 8      L404innestrasse 32                  Frankfurt            Germany                                   
      1053 Sportwaren G.m.b.H. 3          P404astoratsgasse 7                 Bonn                 Germany                                   
      1037 Ultra Sports 3                 H404eideweg 18                      Frankfurt            Germany                                   
      1067 Andes Camping Supplies 1       1404117 Franklin Blvd               Winnipeg             Canada                                    
      1006 Bergsteiger G.m.b.H.           L404yoner Strasse 14                Frankfurt            Germany                                   
      1053 Sportwaren G.m.b.H. 3          P404astoratsgasse 7                 Bonn                 Germany                                   
      1042 Vacation Central 4             84042 Docklands Street              Vancouver            Canada                                    
      1119 GO Outlet Frankfurt            W404eimarerstrasse 35               Frankfurt            Germany                                   
      1092 Clear Valley Waters 2          14042 Centennial Ave                Halifax              Canada                                    
      1092 Clear Valley Waters 2          14042 Centennial Ave                Halifax              Canada

23 rows selected.

Answer7:

SELECT order\_dt, COUNT(order\_no)

FROM orders

GROUP BY order\_dt

HAVING (order\_dt LIKE '%2014' OR order\_dt LIKE '%2015')

AND COUNT(order\_no) > 2;

\*Output:

ORDER\_DT COUNT(ORDER\_NO)

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02-Apr-2015 3

02-Dec-2014 3

08-Jul-2014 3

22-Mar-2014 3

10-Oct-2014 3

10-Feb-2015 3

6 rows selected.

Answer8:

SELECT department\_id, job\_id, MIN(salary)

FROM employees

GROUP BY department\_id, job\_id

HAVING (MIN(salary) BETWEEN 5000 AND 10000)

AND job\_id NOT LIKE '%REP'

AND department\_id != 60 AND department\_id != 80

ORDER BY department\_id, job\_id;

\*Output:

DEPARTMENT\_ID JOB\_ID MIN(SALARY)

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50 ST\_MAN 5800

110 AC\_ACCOUNT 8300

\*Answer9:

SELECT COUNT(cus.cust\_no)

FROM customers cus

LEFT JOIN orders ord ON cus.cust\_no = ord.cust\_no

WHERE ord.cust\_no IS NULL;

\*Output:

COUNT(CUS.CUST\_NO)

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47

Answer10:

SELECT cus.cust\_no, cus.cname, co.country\_name

FROM customers cus

JOIN countries co ON cus.country\_cd = co.country\_id

WHERE cus.country\_cd IN (SELECT country\_cd

FROM customers

WHERE cname LIKE 'Su%')

AND ( cname LIKE 'A%' OR cname LIKE 'B%' OR cname LIKE 'C%' );

\*Output:

CUST\_NO CNAME COUNTRY\_NAME

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1086 All season camping goods United States of America

1078 Act'N'Up Fitness 4 United States of America

1077 Act'N'Up Fitness 3 United States of America

1076 Act'N'Up Fitness 2 United States of America

1075 Act'N'Up Fitness 1 United States of America

1072 Advanced Climbing Ltd United States of America

1018 Clear Valley Waters 5 United States of America

1012 Act'N'Up Fitness 5 United States of America

1133 Back woods up front Ltd. Canada

1094 Clear Valley Waters 4 Canada

1093 Clear Valley Waters 3 Canada

1092 Clear Valley Waters 2 Canada

1091 Clear Valley Waters 1 Canada

1070 Andes Camping Supplies 4 Canada

1069 Andes Camping Supplies 3 Canada

1068 Andes Camping Supplies 2 Canada

1067 Andes Camping Supplies 1 Canada

1010 Andes Camping Supplies 6 Canada

1006 Bergsteiger G.m.b.H. Germany

19 rows selected.

Answer11:

Answer12:

SELECT emp.last\_name, emp.salary, emp.job\_id

FROM employees emp

WHERE(emp.job\_id NOT LIKE '%PRES')

AND (emp.job\_id NOT LIKE '%VP')

AND emp.salary > ANY (SELECT MIN(emp.salary)

FROM employees emp

INNER JOIN departments dep ON emp.department\_id = dep.department\_id

INNER JOIN locations loc ON dep.location\_id = loc.location\_id

WHERE(loc.country\_id <> 'US'))

ORDER BY emp.job\_id ASC;

\*Output:

LAST\_NAME SALARY JOB\_ID

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Gietz 8300 AC\_ACCOUNT

Higgins 12000 AC\_MGR

Flerjan 12000 AC\_REP

Whalen 4400 AD\_ASST

Hunold 9000 IT\_PROG

Ernst 6000 IT\_PROG

Lorentz 4200 IT\_PROG

Hartstein 13000 MK\_MAN

Fay 6000 MK\_REP

Zlotkey 10500 SA\_MAN

Abel 11000 SA\_REP

Vargas 8600 SA\_REP

Grants 7000 SA\_REP

de Man 7000 SA\_REP

Grolin 11500 SA\_REP

Smertal 9300 SA\_REP

Mustaine 9600 SA\_REP

Harvey 7000 SA\_REP

LeDuc 7000 SA\_REP

Bergsteige 8000 SA\_REP

Gruber 9000 SA\_REP

Sanchez 10500 SA\_REP

Chancevente 12000 SA\_REP

Torson 7000 SA\_REP

Cornel 12500 SA\_REP

Gibbons 11500 SA\_REP

Pallomine 5000 SA\_REP

Jacobs 13000 SA\_REP

Strandherst 4500 SA\_REP

Brigade 5750 SA\_REP

Litrand 10000 SA\_REP

Armarillo 7500 SA\_REP

Mot 60000 SA\_REP

Turcotte 10000 SA\_REP

Rodriguez 11000 SA\_REP

Young 9000 SA\_REP

Loo Nam 5500 SA\_REP

Chan 7000 SA\_REP

Wandiko 6700 SA\_REP

Gregson 8800 SA\_REP

Krain 8700 SA\_REP

Termede 11000 SA\_REP

Testorok 11000 SA\_REP

Whiteduck 9000 SA\_REP

Montoya 4000 SA\_REP

Mourgos 5800 ST\_MAN

46 rows selected.

Answer13:

SELECT man.last\_name, emp.last\_name

FROM employees man

INNER JOIN employees emp ON emp.manager\_id = man.employee\_id

ORDER BY man.last\_name, emp.last\_name;

\*Output:

LAST\_NAME LAST\_NAME

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De Haan Hunold

Hartstein Fay

Higgins Gietz

Hunold Lorentz

Hunold Ernst

King Mourgos

King Zlotkey

King Kochhar

King De Haan

King Hartstein

Kochhar Whalen

Kochhar Higgins

Mourgos Davies

Mourgos Rajs

Mourgos Vargas

Mourgos Matos

Zlotkey LeBlanc

Zlotkey LeDuc

Zlotkey Litrand

Zlotkey Loo Nam

Zlotkey Montoya

Zlotkey Mot

Zlotkey Mustaine

Zlotkey Pallomine

Zlotkey Rodriguez

Zlotkey Sanchez

Zlotkey Smertal

Zlotkey Strandherst

Zlotkey Termede

Zlotkey Testorok

Zlotkey Torson

Zlotkey Turcotte

Zlotkey Vargas

Zlotkey Wandiko

Zlotkey Whiteduck

Zlotkey Young

Zlotkey Krain

Zlotkey Jacobs

Zlotkey Harvey

Zlotkey Gruber

Zlotkey Grolin

Zlotkey Gregson

Zlotkey Grants

Zlotkey Gibbons

Zlotkey Flerjan

Zlotkey Cornel

Zlotkey Chancevente

Zlotkey Chan

Zlotkey Brigade

Zlotkey Bergsteige

Zlotkey de Man

Zlotkey Abel

Zlotkey Armarillo

53 rows selected.

LAST\_NAME LAST\_NAME

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De Haan Hunold

Hartstein Fay

Higgins Gietz

Hunold Ernst

Hunold Lorentz

King De Haan

King Hartstein

King Kochhar

King Mourgos

King Zlotkey

Kochhar Higgins

Kochhar Whalen

Mourgos Davies

Mourgos Matos

Mourgos Rajs

Mourgos Vargas

Zlotkey Abel

Zlotkey Armarillo

Zlotkey Bergsteige

Zlotkey Brigade

Zlotkey Chan

Zlotkey Chancevente

Zlotkey Cornel

Zlotkey Flerjan

Zlotkey Gibbons

Zlotkey Grants

Zlotkey Gregson

Zlotkey Grolin

Zlotkey Gruber

Zlotkey Harvey

Zlotkey Jacobs

Zlotkey Krain

Zlotkey LeBlanc

Zlotkey LeDuc

Zlotkey Litrand

Zlotkey Loo Nam

Zlotkey Montoya

Zlotkey Mot

Zlotkey Mustaine

Zlotkey Pallomine

Zlotkey Rodriguez

Zlotkey Sanchez

Zlotkey Smertal

Zlotkey Strandherst

Zlotkey Termede

Zlotkey Testorok

Zlotkey Torson

Zlotkey Turcotte

Zlotkey Vargas

Zlotkey Wandiko

Zlotkey Whiteduck

Zlotkey Young

Zlotkey de Man

53 rows selected.

Answer14:

SELECT man.last\_name, COUNT(\*)

FROM employees man

INNER JOIN employees emp ON emp.manager\_id = man.employee\_id

GROUP BY man.last\_name

HAVING COUNT(\*) > 2;

\*Output:

LAST\_NAME COUNT(\*)

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King 5

Mourgos 4

Zlotkey 37