# **Assignment-8**

1-Find those salesperson name who live in any one of the cities of customers (do it both with sub-query and join)

STATEMENT:

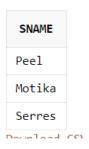
*Using Sub-query:* 

SELECT Sname FROM SalesPeople WHERE City In (SELECT City FROM Customers);

Using Join:

SELECT DISTINCT Sname FROM SalesPeople s, Customers c where s.City = c.City;

#### **OUTPUT:**



2-Find those salesperson name, customers name who belong to any one of the city of customers

(do it both with sub-query and join)

STATEMENT:

Using Sub-query:

This method can't be used for this query

# Using Join:

SELECT DISTINCT Sname, Cname FROM SalesPeople s, Customers c WHERE s.City = c.City;

# **OUTPUT:**

SNAME	CNAME
Motika	Hoffman
Peel	Clemens
Motika	Clemens
Serres	Liu
Peel	Hoffman
Serres	Cisneros

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3-Find those salesperson name who belong to the city of their customer (do it both with sub-query and join)

#### STATEMENT:

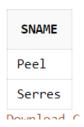
*Using Sub-query:* 

SELECT Sname FROM SalesPeople WHERE (Snum, City) IN (SELECT Snum, City FROM Customers);

Using Join:

 $SELECT\ DISTINCT\ Sname\ FROM\ SalesPeople\ s,\ Customers\ c\ WHERE\ s. Snum\\ = c. Snum\ and\ s. City = c. City;$ 

# **OUTPUT:**

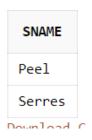


4-Find those salesperson name who belong to the city of their customer (do it with co-related sub-query)

#### STATEMENT:

SELECT Sname FROM SalesPeople s WHERE EXISTS (SELECT \* FROM Customers c WHERE c.Snum = s.Snum and c.City = s.City);

#### **OUTPUT:**



5-Find those salesperson name, customer name where salesperson is assigned/not assigned to any customer

#### STATEMENT:

SELECT Sname, Cname FROM SalesPeople s, Customers c WHERE s.Snum = c.Snum(+);

#### **OUTPUT:**

SNAME	CNAME	
Peel	Hoffman	
Axelrod	Giovanni	
Serres	Liu	
Serres	Grass	
Peel	Clemens	
Rifkin	Cisneros	
Motika	Pereira	

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6-Find those customer name who is not assigned to any salesperson

# STATEMENT:

SELECT Cnum FROM Customers where Snum is NULL;

# OUTPUT:

no data found

7-Find the highest order of each salesperson

# STATEMENT:

SELECT Snum, MAX(Amt) FROM Orders group by Snum;

# OUTPUT:

SNUM	MAX(AMT)
1007	1098.16
1004	1900.1
1001	9891.88
1002	5160.45
1003	1713.23

8-Find the names of salesperson and their highest order

### STATEMENT:

SELECT Sname, MAX(Amt) FROM SalesPeople s, Orders o WHERE s.Snum = o.Snum group by Sname;

# **OUTPUT:**

SNAME	MAX(AMT)
Peel	9891.88
Motika	1900.1
Serres	5160.45
Axelrod	1713.23
Rifkin	1098.16

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9-Find those orders of salesperson which is more than his average orders

#### STATEMENT:

SELECT Onum, Snum, Amt FROM Orders x where Amt >

(SELECT AVG(Amt) from Orders y where x.Snum = y.Snum);

# **OUTPUT:**

ONUM	SNUM	AMT
3005	1002	5160.45
3006	1007	1098.16
3011	1001	9891.88

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10-List those salesperson who has more than two customers.

(use all 3 methods)

**STATEMENT:** 

*Using join method:* 

SELECT Sname FROM SalesPeople s, Customers c WHERE s.Snum = c.Snum group by Sname having COUNT(c.Snum)>2;

Using sub-query method:

SELECT Sname FROM SalesPeople WHERE Snum IN (SELECT Snum FROM Customers group by Snum having COUNT(Snum)>2);

*Using co-related sub-query method:* 

SELECT Sname FROM SalesPeople s WHERE Snum>

(SELECT COUNT(c.Snum) FROM Customers c WHERE c.Snum = s.Snum group by Sname having COUNT(c.Snum)>2);

**OUTPUT:** 

no data found