Assignment 7

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Batch - 3ENC1

Roll No. – 101915001

NOTE:- The tables have already been made in previous assignment i.e. Assignment-6, But still here is the code and output for them.

Table 1: SalesPeople Snum is Primary key Sname is Unique constraint

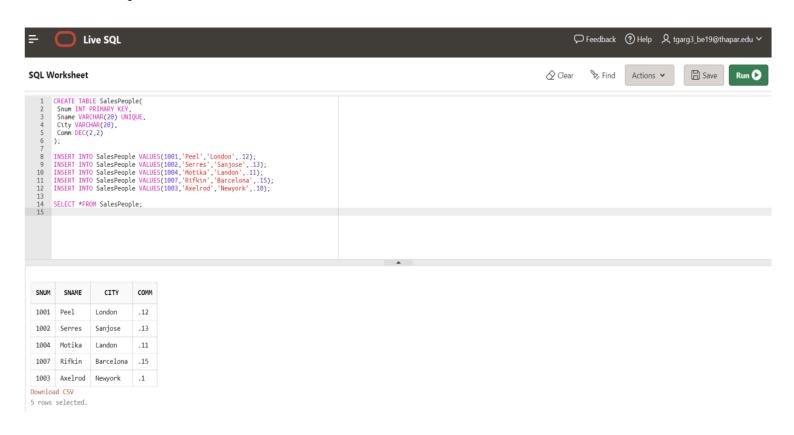


Table 2: Customers

Cnum is Primary Key

City has not null constraint.

Snum is foreign key constraint refers Snum column of SalesPeople table.

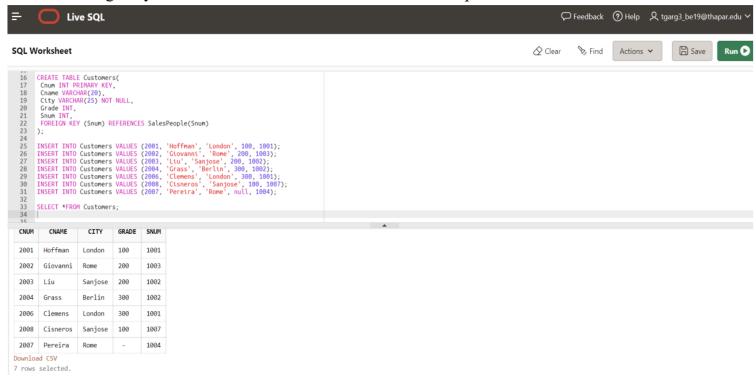
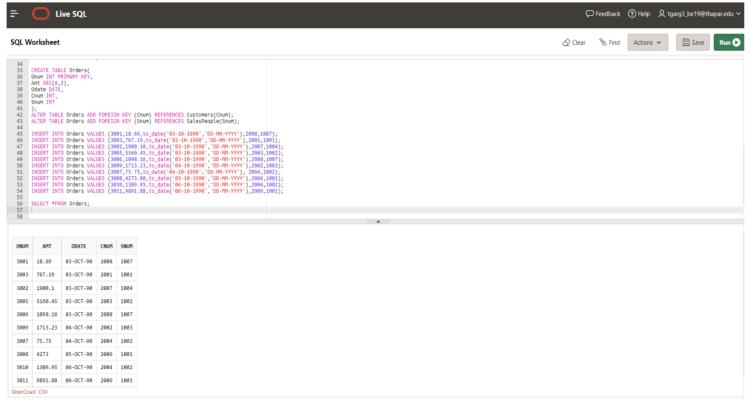


Table 3: Orders

Onum is Primary key

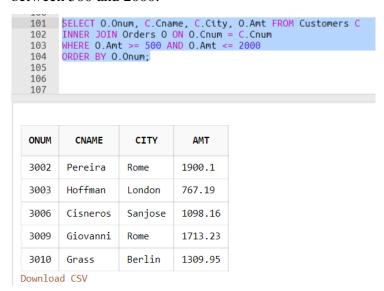
Cnum is foreign key refers to Cnum column of Customers table.

Snum is foreign key refers Snum column of SalesPeople table.



JOINS:

1. Display Order number, Customer name, City and order amount of all orders whose order amount exists between 500 and 2000.



2. Display Customer Name, customer city, salesman name of customers whose corresponding salespersons received a commission more than 12%, from the company.



3. Display those salespersons do not live in the same city where their customers live and received a commission from the company more than 12%. Return Customer Name, customer city, Salesman, salesman city, commission.

```
109
110
SELECT C.Cname, C.City "Customer City", S.Sname, S.city "Salesman City", S.Comm FROM Customers C
111
INNER JOIN SalesPeople S ON C.Snum = S.Snum
WHERE C.City != S.City AND S.Comm >= 0.12;
113
114
115
```

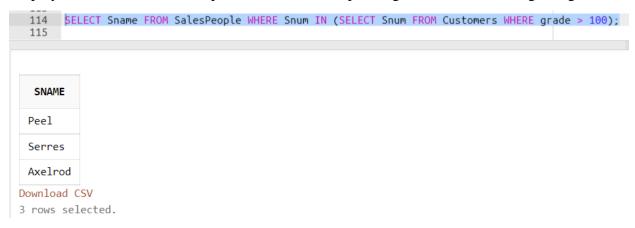
CNAME	Customer City	SNAME	Salesman City	COMM
Grass	Berlin	Serres	Sanjose	.13
Cisneros	Sanjose	Rifkin	Barcelona	.15

Download CSV

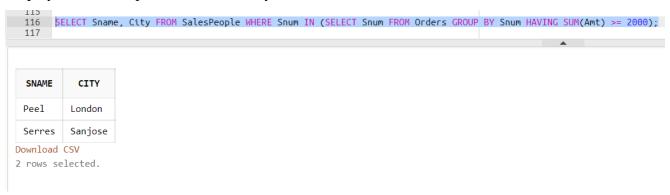
2 rows selected.

Joins as well as Subquery

4. Display the name of those salespersons whose corresponding customers attained grade greater than 100



5. Display all the Salesperson name and city whose all orders worth is more than Rs.2000

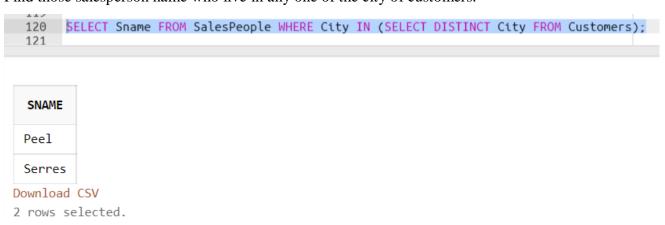


6. Display name and city of all those customers who did not place any order yet.

```
117
118
| SELECT Cname, City FROM Customers WHERE Cnum NOT IN (SELECT DISTINCT Cnum FROM Orders);
119

no data found
```

7. Find those salesperson name who live in any one of the city of customers.



8. Find those salesperson name, customers name who belong to any one of the city of customers.

```
SELECT S.Sname, C.Cname FROM SalesPeople S INNER JOIN Customers C
ON S.City = C.City;

124
125
126
127
```

SNAME	CNAME	
Peel	Hoffman	
Serres	Liu	
Peel	Clemens	
Serres	Cisneros	

Download CSV

4 rows selected.

9. Find those salesperson name who belong to the city of their customer. Display salesperson name and Customer name.

```
122 SELECT S.Sname, C.Cname FROM SalesPeople S INNER JOIN Customers C
123 ON S.City = C.City;
124
125
126
127
```

SNAME	CNAME	
Peel	Hoffman	
Serres	Liu	
Peel	Clemens	
Serres	Cisneros	

Download CSV

4 rows selected.

Co-related Subquery

10. Find those salesperson name, customer name where salesperson is assigned/not assigned to any customer



11. Find those customer name who is not assigned to any salesperson.

```
126 SELECT Cname FROM Customers C WHERE Snum IS NULL;

no data found
```

12. Find the highest order of each salesperson

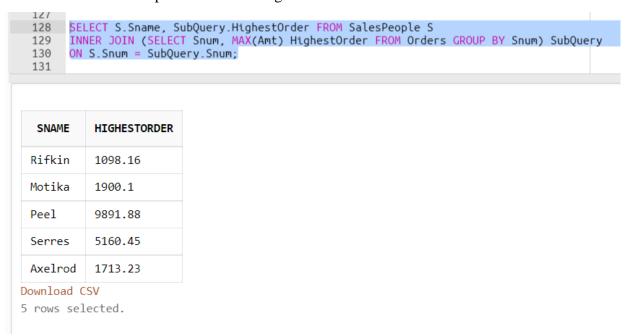
```
127
128
SELECT S.Sname, SubQuery.HighestOrder FROM SalesPeople S
129
INNER JOIN (SELECT Snum, MAX(Amt) HighestOrder FROM Orders GROUP BY Snum) SubQuery
130
ON S.Snum = SubQuery.Snum;
131
```

SNAME	HIGHESTORDER	
Rifkin	1098.16	
Motika	1900.1	
Peel	9891.88	
Serres	5160.45	
Axelrod	1713.23	

Download CSV

5 rows selected.

13. Find the names of salesperson and their highest order.



14. Find those orders of salesperson which is more than his average orders.



15. List those salespersons who has more than two customers.

133	
134	SELECT *FROM SalesPeople S WHERE Snum = (SELECT Snum FROM Customers WHERE Snum = S.Snum GROUP BY Snum HAVING COUNT(Snum) >= 2);
135	
136	
	A

SNUM	SNAME	CITY	сомм
1001	Peel	London	.12
1002	Serres	Sanjose	.13

Download CSV 2 rows selected.