# **Assignment 6**

Name - Tanmay Garg

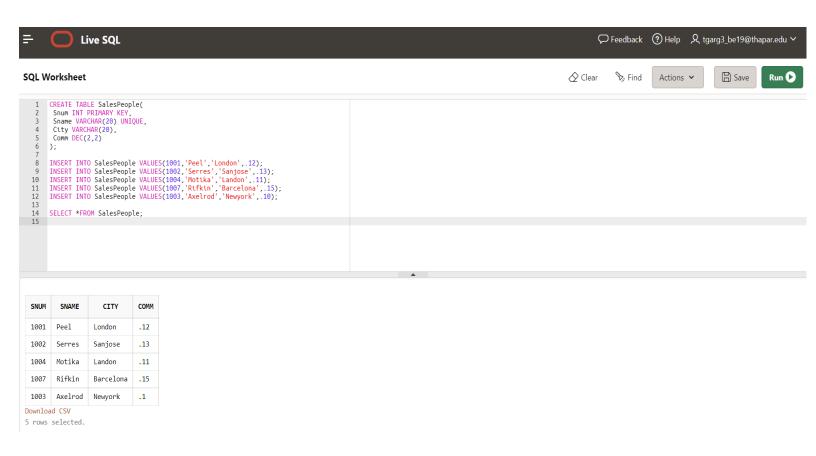
Batch - 3ENC1

Roll No. - 101915001

## **Table 1:** SalesPeople

Snum is Primary key

Sname is Unique constraint

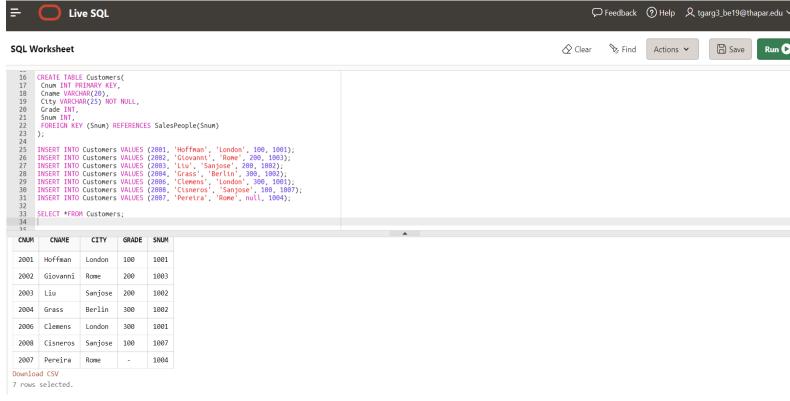


#### **Table 2:** Customers

**Cnum** is Primary Key

City has not null constraint.

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

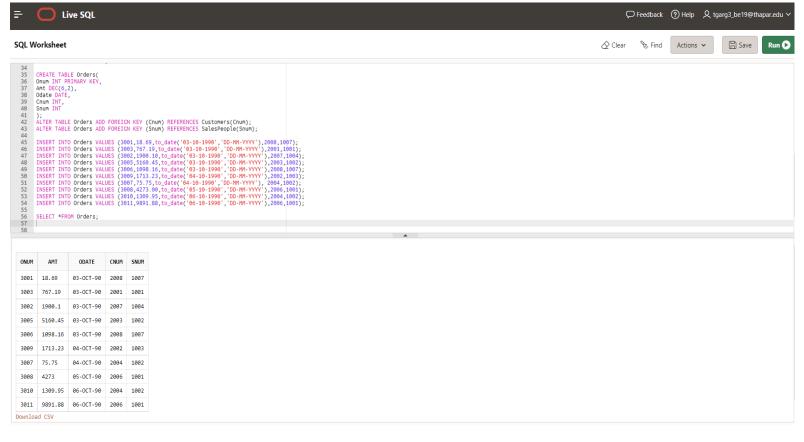


### **Table 3: Orders**

## **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.



1) Count the number of Salesperson whose name begin with 'a'/'A'.

```
57
58
SELECT COUNT(Sname) FROM SalesPeople WHERE Sname LIKE 'A%';
59
60
61

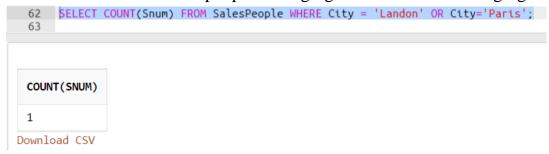
COUNT(SNAME)
1
Download CSV
```

2) Count the number of Salesperson belonging to **Newyork**.

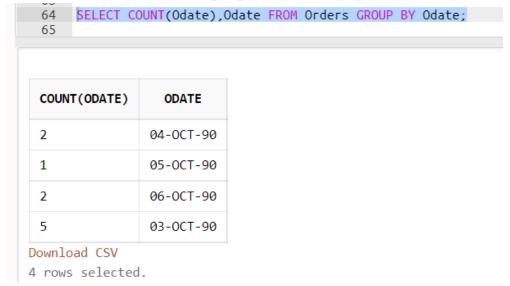
```
60 | SELECT COUNT(Snum) FROM SalesPeople WHERE City = 'Newyork';
61
62
```



3) Count the number of Salespeople belonging to **Landon** and belonging to **Paris**.



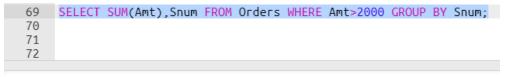
4) Counts the number of Salespeople registeringorders each day.



5) Count the number of unique salespeople and return number of salespeople



6) Display all the Salesperson whose all orders worth is more than Rs.2000.



1002
1001

2 rows selected.

7) Display the number of orders taken by each Salesperson and theirdate of orders.

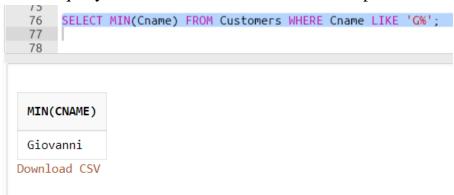
```
SELECT * FROM (
(SELECT Snum, Odate FROM Orders) NATURAL JOIN (SELECT Snum, COUNT (*) FROM Orders GROUP BY Snum)

ORDER BY Snum;

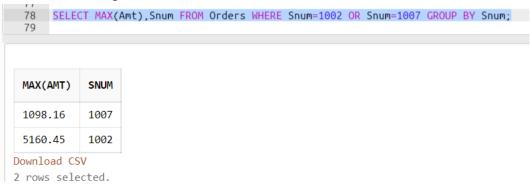
ORDER BY Snum;
```

SNUM	ODATE	COUNT(*)
1001	03-0CT-90	3
1001	05-0CT-90	3
1001	06-0CT-90	3
1002	03-0CT-90	3
1002	04-0CT-90	3
1002	06-0CT-90	3
1003	04-0CT-90	1
1004	03-0CT-90	1
1007	03-0CT-90	2
1007	03-0CT-90	2

8) Write a query that selects the first customer in alphabetical order, whose name begins with 'G'.



9) Find out the largest orders for Snum 1002 & 1007.



10) Find out the maximum single order amount of a Salesperson over \$\mathbb{R}\$ 3000 in a day.

```
SELECT MAX(Amt),Odate FROM Orders WHERE Amt>3000 GROUP BY Odate ORDER BY Odate ASC;
81
82
```

MAX(AMT)	ODATE
5160.45	03-0CT-90
4273	05-0CT-90
9891.88	06-0CT-90

Download CSV

3 rows selected.

11) Find out the no. of Salesperson who belongs to same city and have same commission percentage.

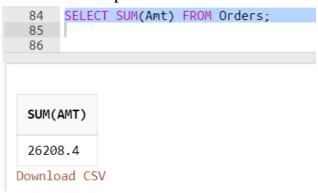
```
82 | SELECT COUNT(Snum), City, Comm FROM SalesPeople GROUP BY City, Comm;
83
```

COUNT(SNUM)	CITY	COMM
1	London	.12
1	Newyork	.1
1	Barcelona	.15
1	Landon	.11
1	Sanjose	.13

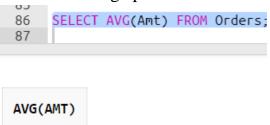
Download CSV

5 rows selected.

12) Calculate total purchase amount of all orders and return total purchase amount.



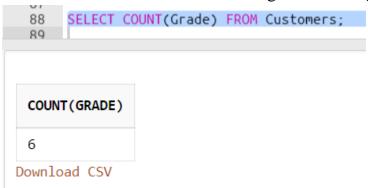
13) Calculate average purchase amount of all orders and return average purchase amount



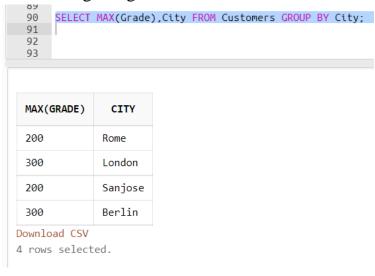
Download CSV

2620.84

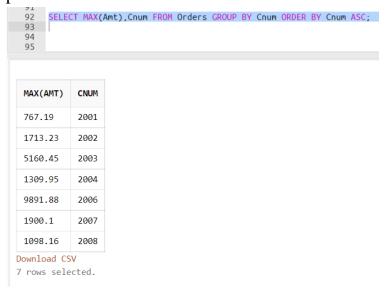
14) Find the number of customers who got at least a gradation for his/her activity



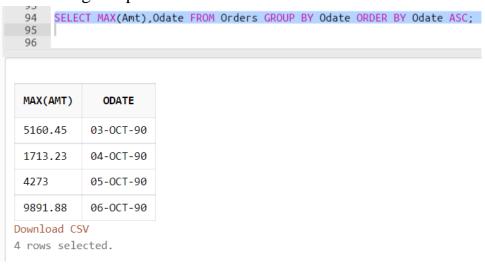
15) Find the highest grade of the customers for each of the city and return city, maximum grade



16) Find the highest purchase amount ordered by each customer. Return customer ID, maximum purchase amount



17) Find the highest purchase amount ordered by each customer on a particular date. Return, order date and highest purchase amount



18) Find the highest purchase amount on 4-10-1990 by each salesperson. Return salesperson ID, purchase amount.

