

Assignment – 7

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Roll no. - 86633

1) Write a query that counts all orders for October 3.

SELECT count(*) FROM Orders WHERE odate = '1990-10-03';

```
KD1-Yashraj-86633@>SELECT count(*) FROM Orders WHERE odate = '1990-10-03';
+-----+
| count(*) |
+-----+
|          5 |
+-----+
1 row in set (0.00 sec)
```

2) Write a query that counts the number of different non-NULL city values in the Customers table.

SELECT count(*) FROM Customers WHERE city!=null;

```
KD1-Yashraj-86633@>SELECT count(*) FROM Customers WHERE city!=null ;
+-----+
| count(*) |
+-----+
|          0 |
+-----+
1 row in set (0.00 sec)
```

3) Write a query that selects each customer's smallest order.

```
KD1-Yashraj-86633@>SELECT cnum, min(amt) FROM Orders GROUP BY cnum;
```

cnum	min(amt)
2008	18.69
2001	767.19
2007	1900.10
2003	5160.45
2002	1713.23
2004	75.75
2006	4723.00

```
7 rows in set (0.00 sec)
```

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

SELECT * FROM customers WHERE cname LIKE 'G%' ORDER BY 1 LIMIT 1;

```
KD1-Yashraj-86633@>SELECT * FROM customers
-> WHERE cname LIKE 'G%'
-> ORDER BY 1
-> LIMIT 1;
```

cnum	cname	city	rating	snum
2002	Giovanni	Rome	200	1003

```
1 row in set (0.00 sec)
```

5) Write a query that selects the highest rating in each city.

SELECT city, MAX(rating) FROM customers GROUP BY city;

```
KD1-Yashraj-86633@>SELECT city, MAX(rating) FROM customers GROUP BY city;
```

city	MAX(rating)
London	100
Rome	200
San Jose	300
Berlin	300

```
4 rows in set (0.00 sec)
```

6) Write a query that counts the number of salespeople registering orders for each day. (If a salesperson has more than one order on a given day, he or she should be counted only once.).

SELECT DISTINCT odate, COUNT(snum) FROM orders GROUP BY odate;

```
KD1-Yashraj-86633@>SELECT DISTINCT odate, COUNT(DISTINCT snum) FROM orders GROUP BY odate;
```

```
+-----+-----+
| odate   | COUNT(DISTINCT snum) |
+-----+-----+
| 1990-10-03 | 4 |
| 1990-10-04 | 3 |
+-----+-----+
2 rows in set (0.00 sec)
```