

Assignment 07

Q1) Write a query that counts all orders for October 3.

```
mananshinde — mysql -u W1_92836_Manana -p — 69x15
W1_92836_Manana>use Assignment_1 database;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
W1_92836_Manana>select count(odate) from orders
-> where odate='1990-10-03';
+-----+
| count(odate) |
+-----+
|             5 |
+-----+
1 row in set (0.005 sec)

W1_92836_Manana>
```

Q2) Write a query that counts the number of different non-NULL city values in the Customers table.

```
mananshinde — mysql -u W1_92836_Manana -p — 78x24
W1_92836_Manana>insert into customers
-> values
-> ('2009','Thomas','null','200','1003'),
-> ('2010','John','null','300','1008');
Query OK, 2 rows affected (0.008 sec)
Records: 2  Duplicates: 0  Warnings: 0

W1_92836_Manana>select *from customers;
+-----+-----+-----+-----+-----+
| Cnum | Cname  | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100    | 1001 |
| 2002 | Giovanni | Rome   | 200    | 1003 |
| 2003 | Liu     | San Jose | 200    | 1002 |
| 2004 | Grass   | Berlin  | 300    | 1002 |
| 2006 | Clemens | London  | 100    | 1001 |
| 2008 | Cisneros | San Jose | 300    | 1007 |
| 2007 | Pereira | Rome    | 100    | 1004 |
| 2009 | Thomas  | null    | 200    | 1003 |
| 2010 | John    | null    | 300    | 1008 |
+-----+-----+-----+-----+-----+
9 rows in set (0.001 sec)

W1_92836_Manana>
```

Q3) Write a query that selects each customer's smallest order.

```
mananshinde — mysql -u W1_92836_Manan -p — 52x17

W1_92836_Manan>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 (0.002 sec)

W1_92836_Manan>
```

Q4) Write a query that selects the first customer, in alphabetical order, whose name begins with G.

```
mananshinde — mysql -u W1_92836_Manan -p — 60x13

W1_92836_Manan>select *from customers
-> where cname like 'G%'
[
-> order by cname
]
-> limit 1;
+-----+-----+-----+-----+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | Rome | 200 | 1003 |
+-----+-----+-----+-----+-----+
1 row in set (0.002 sec)

W1_92836_Manan>
```

Q5) Write a query that selects the highest rating in each city.

```
mananshinde — mysql -u W1_92836_Manan -p — 60x15

[W1_92836_Manan>select city, max(rating) from customers
-> group by city;

+-----+-----+
| city   | max(rating) |
+-----+-----+
| London |          100 |
| Rome   |          200 |
| San Jose |          300 |
| Berlin |          300 |
| null   |          300 |
+-----+-----+
5 rows in set (0.001 sec)

W1_92836_Manan>
```

Q6) 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.).

```
mananshinde — mysql -u W1_92836_Manan -p — 63x14

ERROR 1054 (42S22): Unknown column 'sum' in 'field list'
W1_92836_Manan>select odate,count(distinct snum) from orders
-> group by odate;

+-----+-----+
| odate   | count(distinct snum) |
+-----+-----+
| 1990-10-03 |          4 |
| 1990-10-04 |          2 |
| 1990-10-05 |          1 |
| 1990-10-06 |          2 |
+-----+-----+
4 rows in set (0.002 sec)

W1_92836_Manan>
```