```
KD4-86647-aman>select count(distinct Snum),odate  from orders group by odate
;
+----------------------+------------+
| count(distinct Snum) | odate      |
+----------------------+------------+
|                    4 | 1990-10-03 |
|                    2 | 1990-10-04 |
|                    1 | 1990-10-05 |
|                    2 | 1990-10-06 |
+----------------------+------------+
4 rows in set (0.00 sec)
```

Assignment –7

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

```
KD4-86647-aman>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.

```
KD4-86647-aman>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.

```
KD4-86647-aman>select min(amt), cnum from orders group by cnum
    -> order by cnum;
+----------+------+
| min(amt) | cnum |
+----------+------+
|   767.19 | 2001 |
|  1713.23 | 2002 |
|  5160.45 | 2003 |
|    75.75 | 2004 |
|  4723.00 | 2006 |
|  1900.10 | 2007 |
|    18.69 | 2008 |
+----------+------+
7 rows in set (0.00 sec)
```

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

```
KD4-86647-aman>select *from customers
    -> where cname like "G%"
    -> order by cname;
+------+----------+--------+--------+------+
| Cnum | Cname    | City   | Rating | Snum |
+------+----------+--------+--------+------+
| 2002 | Giovanni | Rome   |    200 | 1003 |
| 2004 | Grass    | Berlin |    300 | 1002 |
+------+----------+--------+--------+------+
2 rows in set (0.01 sec)
```

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

```
KD4-86647-aman>select max(rating) from customers;
+-------------+
| max(rating) |
+-------------+
|         300 |
+-------------+
1 row 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.).

```
KD4-86647-aman>select count(distinct Snum),odate  from orders group by odate
;
+----------------------+------------+
| count(distinct Snum) | odate      |
+----------------------+------------+
|                    4 | 1990-10-03 |
|                    2 | 1990-10-04 |
|                    1 | 1990-10-05 |
|                    2 | 1990-10-06 |
+----------------------+------------+
4 rows in set (0.00 sec)
```