

KD3\_86686\_Vaibhav

### Assignment –7

#### Summarizing Data with Aggregate Functions.

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

```
KD3_86686_Vaibhav@>SELECT COUNT(*) AS order_count
-> FROM Orders
-> WHERE Odate = '1990-10-03';
```

order_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.

```
KD3_86686_Vaibhav@>SELECT COUNT(DISTINCT City) AS unique_city_count
-> FROM Customers
-> WHERE City IS NOT NULL;
```

unique_city_count
4

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

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

```
KD3_86686_Vaibhav@>SELECT Cnum, MIN(Amt) AS smallest_order
-> FROM Orders
-> GROUP BY Cnum;
```

Cnum	smallest_order
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

```
KD3_86686_Vaibhav@>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 (0.00 sec)
```

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

```
KD3_86686_Vaibhav@>SELECT City, MAX(Rating) AS highest_rating
-> FROM Customers
-> GROUP BY City;
+-----+-----+
| City   | highest_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.)

```
KD3_86686_Vaibhav@>SELECT Odate, COUNT(DISTINCT Snum) AS salesperson_count
-> FROM Orders
-> GROUP BY Odate;
+-----+-----+
| Odate   | salesperson_count |
+-----+-----+
| 1990-10-03 | 4                |
| 1990-10-04 | 2                |
| 1990-10-05 | 1                |
| 1990-10-06 | 2                |
+-----+-----+
4 rows in set (0.00 sec)
KD3_86686_Vaibhav@>
```

