# *Assignment – 19*

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Views\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**1) Create a view that shows all of the customers who have the highest ratings.**

```
W3_93236_Neha>create view v2 as
    -> select * from CUSTOMERS where Rating>200;
Query OK, 0 rows affected (0.01 sec)

W3_93236_Neha>select * from classwork.v2;
+------+----------+---------+--------+------+
| Cnum | Cname    | City    | Rating | Snum |
+------+----------+---------+--------+------+
| 2002 | Giovanni | Rome    |    300 | 1003 |
| 2004 | Grass    | Berlin  |    300 | 1004 |
| 2008 | Cesneros | SanJose |    300 | 1007 |
+------+----------+---------+--------+------+
3 rows in set (0.00 sec)
```

**2) Create a view that shows the number of salespeople in each city.**

```
W3_93236_Neha>create view v3 as
    -> select count(*),City from SALESPEOPLE
    -> group by City;
Query OK, 0 rows affected (0.01 sec)

W3_93236_Neha>select * from classwork.v3;
+----------+-----------+
| count(*) | City      |
+----------+-----------+
|        2 | London    |
|        1 | San Jose  |
|        1 | Barcelona |
|        1 | New work  |
|        1 | SanJose   |
```

3) **Create a view that shows the average and total orders for each salesperson after his or her name. Assume all names are unique.**

```
W3_93236_Neha>CREATE VIEW SalespersonOrderSummary AS
    -> SELECT
    ->     s.Sname AS SalespersonName,
    ->     COUNT(o.Onum) AS TotalOrders,
    ->     AVG(o.Amt) AS AverageOrderAmount
    -> FROM
    ->     SALESPEOPLE s
    -> join
    -> ORDERS o on s.Snum=o.Snum
    -> GROUP BY
    ->     s.Sname;
Query OK, 0 rows affected (0.01 sec)

W3_93236_Neha>select * from classwork.SalespersonOrderSummary;
+-----------------+-------------+--------------------+
| SalespersonName | TotalOrders | AverageOrderAmount |
+-----------------+-------------+--------------------+
| Riftin          |           2 |          558.425017 |
| Peel            |           2 |         2745.095001 |
| Motika          |           1 |         1900.099976 |
| Serres          |           3 |         2182.050049 |
| Axelrod         |           1 |         1713.130005 |
+-----------------+-------------+--------------------+
```

4) **Create a view that shows each salesperson with multiple customers.**

```
W3_93236_Neha>create view salesview as
    -> select
    -> s.Snum,
    -> s.Sname As SalesPersonName,
    -> count(c.Cnum) as CustmerCount
    -> from
    -> SALESPEOPLE s
    -> join
    -> CUSTOMERS c on s.Snum=c.Snum
    -> group by
    -> s.Snum,s.Sname
    -> having
    -> count(c.Cnum)>1;
Query OK, 0 rows affected (0.01 sec)

W3_93236_Neha>select * from classwork.salesview;
+------+-----------------+--------------+
| Snum | SalesPersonName | CustmerCount |
+------+-----------------+--------------+
| 1004 | Motika          |            3 |
+------+-----------------+--------------+
1 row in set (0.00 sec)
```