

Assignment – 19

Views.

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

```
W2_92894_Ekta>CREATE VIEW top_rated_customers AS
-> SELECT *
-> FROM customers
-> WHERE rating = (
->     SELECT MAX(rating) FROM customers
-> );
Query OK, 0 rows affected (0.04 sec)
```

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

```
W2_92894_Ekta>CREATE VIEW salespeople_per_city AS
-> SELECT city, COUNT(*) AS num_salespeople
-> FROM salespeople
-> GROUP BY city;
Query OK, 0 rows affected (0.04 sec)
```

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

```
W2_92894_Ekta>CREATE VIEW salesperson_orders_summary AS
-> SELECT s.sname,
->     AVG(o.amt) AS avg_orders,
->     SUM(o.amt) AS total_orders
-> FROM salespeople s
-> JOIN orders o ON s.snum = o.snum
-> GROUP BY s.sname;
Query OK, 0 rows affected (0.03 sec)
```

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

```
W2_92894_Ekta>CREATE TABLE multicust AS
-> SELECT * FROM salespeople WHERE 1=0;
Query OK, 0 rows affected, 1 warning (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 1

W2_92894_Ekta>INSERT INTO multicust
-> SELECT s.*
-> FROM salespeople s
-> WHERE s.snum IN (
->     SELECT c.snum
->     FROM customers c
->     GROUP BY c.snum
->     HAVING COUNT(c.cnum) > 1
-> );
Query OK, 2 rows affected (0.03 sec)
Records: 2 Duplicates: 0 Warnings: 0
```