

**Assignment – 19**  
**Views.**

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



```
CREATE VIEW HIGHEST_RATING AS
SELECT * FROM
CUSTOMERS
WHERE
RATING = (SELECT MAX(RATING) FROM CUSTOMERS);
```

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



```
CREATE VIEW SALESPEOPLE_CITY AS
SELECT CITY, COUNT(CITY) FROM SALESPEOPLE
GROUP BY CITY;
```

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



```
CREATE VIEW SalespersonOrderStats AS
SELECT
    s.sname,
    AVG(o.amt) AS avg_order_amt,
    SUM(o.amt) AS total_order_amt
FROM Salespeople s
JOIN Orders o ON s.snum = o.snum
GROUP BY s.sname;
```

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



```
CREATE VIEW SalespeopleWithMultipleCustomers AS
SELECT
    s.snum,
    s.sname,
    COUNT(DISTINCT c.cnum) AS customer_count
FROM Salespeople s
JOIN Customers c ON s.snum = c.snum
GROUP BY s.snum, s.sname
HAVING COUNT(DISTINCT c.cnum) > 1;
```