

Assignment – 19

Views

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

```
D2_92814_Krushna>create view highest_rating_customers
-> as
-> select * from customers where rating =
-> (select max(rating) from customers
-> );
Query OK, 0 rows affected (0.07 sec)

D2_92814_Krushna>select * from highest_rating_customers ;
+-----+-----+-----+-----+-----+
| Cnum | Cname   | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | Rome   | 300    | 1003 |
| 2004 | Grass    | Berlin | 300    | 1004 |
+-----+-----+-----+-----+-----+
2 rows in set (0.05 sec)

D2_92814_Krushna>
```

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

```
D2_92814_Krushna>create view count_member_citywise
-> as
-> select city ,count(Snum) from salespeople group by city ;
Query OK, 0 rows affected (0.05 sec)

D2_92814_Krushna>select * from count_member_citywise ;
+-----+-----+
| city   | count(Snum) |
+-----+-----+
| London | 2            |
| San Jose | 1           |
| Barcelona | 1          |
| New York | 1           |
| Blanco  | 1           |
+-----+-----+
5 rows in set (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.

```
D2_92814_Krushna>create view v1
-> as
-> select sname , avg(amt),sum(amt) from salespeople join or
ders on (salespeople.snum = orders.snum) group by sname ;
Query OK, 0 rows affected (0.09 sec)

D2_92814_Krushna>select * from v1;
+-----+-----+-----+
| sname  | avg(amt) | sum(amt) |
+-----+-----+-----+
| Rifkin | 1761.122558 | 7044.49 |
| Motika | 1900.099976 | 1900.10 |
| Axelrod | 1713.229980 | 1713.23 |
| Serres | 692.849976 | 1385.70 |
+-----+-----+-----+
4 rows in set (0.04 sec)
```

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

```
D2_92814_Krushna>CREATE VIEW v4
-> AS
-> SELECT
-> S.snum,
-> S.sname,
-> S.city, COUNT(C.cnum) AS number_of_customers
-> FROM
-> Salespeople S
-> JOIN
-> Customers C ON S.snum = C.snum
-> GROUP BY
-> S.snum, S.sname, S.city
-> HAVING
-> COUNT(C.cnum) > 1;
Query OK, 0 rows affected (0.01 sec)

D2_92814_Krushna>select * from v4 ;
+-----+-----+-----+-----+
| snum | sname | city | number_of_customers |
+-----+-----+-----+-----+
| 1001 | Peel | London | 2 |
| 1004 | Motika | London | 3 |
+-----+-----+-----+-----+
2 rows in set (0.12 sec)
```