

Assignment – 19

Views.

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

```
D3_92969_Dhananjay>CREATE VIEW hRated_cust AS
-> SELECT *
-> FROM customers
-> WHERE rating=
->      (SELECT max(rating)
->      FROM customers);
Query OK, 0 rows affected (0.02 sec)

D3_92969_Dhananjay>SELECT *
-> FROM hRated_cust;
+-----+-----+-----+-----+-----+
| Cnum | Cname   | City    | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | Rome    | 300    | 1003 |
| 2004 | Grass    | Berlin  | 300    | 1004 |
| 2008 | Cisneros | San Jose | 300    | 1007 |
+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

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

```
D3_92969_Dhananjay>CREATE VIEW tns_cityy AS
-> SELECT city,
->      count(city) "NO. OF SALES PEOPLE"
-> FROM salespeople
-> GROUP BY city;
Query OK, 0 rows affected (0.01 sec)

D3_92969_Dhananjay>SELECT *
-> FROM tns_cityy;
+-----+-----+
| city    | NO. OF SALES PEOPLE |
+-----+-----+
| London  | 2                    |
| Barcelona | 1                    |
| New York | 1                    |
| San Jose | 2                    |
+-----+-----+
4 rows in set (0.01 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.

```
D3_92969_Dhananjay>CREATE VIEW AV_TOT_SAL AS
-> SELECT sname,
->        avg(onum) AVERAGE,
->        count(onum) "TOTAL ORDERS"
-> FROM salespeople
-> JOIN orders using(snum)
-> GROUP BY sname;
```

Query OK, 0 rows affected (0.01 sec)

```
D3_92969_Dhananjay>SELECT *
-> FROM AV_TOT_SAL;
```

sname	AVERAGE	TOTAL ORDERS
Motika	3002.0000	1
Rifkin	3003.5000	2
Axelrod	3009.0000	1
Peel	3003.0000	1
Serres	3007.3333	3

5 rows in set (0.00 sec)

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

```
D3_92969_Dhananjay>CREATE VIEW m_c AS
-> SELECT sname,
->        cname
-> FROM salespeople
-> JOIN customers USING (snum);
```

Query OK, 0 rows affected (0.01 sec)

```
D3_92969_Dhananjay>SELECT *
-> FROM M_C;
```

sname	cname
Peel	Hoffman
Axelrod	Giovanni
Motika	Liu
Motika	Grass
Rifkin	Cisneros
Motika	Pereira

6 rows in set (0.01 sec)