

Assignment 19

Q1) Create a view that shows all of the customers who have the highest ratings.

```
mananshinde — mysql -u W1_92836_Manana -p — 55x19
[W1_92836_Manana>create view customer_view
-> as
-> select *from customers;
Query OK, 0 rows affected (0.003 sec)

[W1_92836_Manana>select * from customer_view;
+-----+-----+-----+-----+-----+
| Cnum | Cname   | City    | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London  | 100    | 1001 |
| 2002 | Giovanni| Rome    | 300    | 1003 |
| 2003 | Liu     | San Jose| 200    | 1002 |
| 2004 | Grass   | Berlin  | 300    | 1002 |
| 2007 | Pereira | Rome    | 200    | 1004 |
| 2008 | Cisneros| San Jose| 300    | 1007 |
+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)

W1_92836_Manana>
```

Q2) Create a view that shows the number of salespeople in each city.

```
mananshinde — mysql -u W1_92836_Manana -p — 69x18
W1_92836_Manana>create view salespeople_count_view
-> as
-> select city, count(city) 'count' from salespeople
-> group by city;
Query OK, 0 rows affected (0.003 sec)

[W1_92836_Manana>select * from salespeople_count_view;
+-----+-----+
| city    | count |
+-----+-----+
| London  | 2     |
| San Jose| 2     |
| New York| 1     |
| Barcelona| 1    |
+-----+-----+
4 rows in set (0.001 sec)

W1_92836_Manana>
```

Q3) Create a view that shows the average and total orders for each salesperson after his or her name. Assume all names are unique.

```
mananshinde — mysql -u W1_92836_Manan -p — 69x22

W1_92836_Manan>create view avg_total_orders_view
[
-> as
[
-> select distinct sname, avg(amt) 'Average', sum(amt) 'Total'
[
-> from salespeople, orders
[
-> where salespeople.snum = orders.snum
[
-> group by sname;
Query OK, 0 rows affected (0.003 sec)

W1_92836_Manan>select * from avg_total_orders_view;
+-----+-----+-----+
| sname | Average | Total |
+-----+-----+-----+
| Rifkin | 558.425017 | 1116.85 |
| Peel | 767.190002 | 767.19 |
| Motika | 1900.099976 | 1900.10 |
| Serres | 2182.050049 | 6546.15 |
| Axelrod | 1713.229980 | 1713.23 |
+-----+-----+-----+
5 rows in set (0.001 sec)

W1_92836_Manan>
```

Q4) Create a view that shows each salesperson with multiple customers.

```
mananshinde — mysql -u W1_92836_Manan -p — 69x21

W1_92836_Manan>create view salesperson_person_count_view
[
-> as
[
-> select salespeople.snum, sname, count(cnum) 'Counts'
[
-> from salespeople, customers
[
-> where salespeople.snum = customers.snum
[
-> group by salespeople.snum, sname;
Query OK, 0 rows affected (0.003 sec)

W1_92836_Manan>select * from salesperson_person_count_view;
+-----+-----+-----+
| snum | sname | Counts |
+-----+-----+-----+
| 1001 | Peel | 1 |
| 1003 | Axelrod | 1 |
| 1002 | Serres | 2 |
| 1004 | Motika | 1 |
| 1007 | Rifkin | 1 |
+-----+-----+-----+
5 rows in set (0.001 sec)

W1_92836_Manan>
```