**SQL Multi Row Function - Answers**

1. select MAX(last\_name) from customers;
2. select avg(MONTHLY\_PAYMENT) from packages;
3. select min(last\_name) from customers;
4. select count(\*) from packages;
5. select count(\*) from customers;
6. select count(distinct state) from customers;
7. select count(distinct speed) from packages;
8. select count(fax) from customers;
9. select count(\*) - count( fax) from customers;
10. select MAX(monthly\_discount), MIN(monthly\_discount),AVG(monthly\_discount) from customers;
11. select state, count(\*) from customers group by state;
12. select speed,avg(MONTHLY\_PAYMENT) from packages group by speed;
13. select state,count(distinct city)from customers group by state;
14. select SECTOR\_ID,max(monthly\_payment)from packages group by sector\_id;
    1. select PACK\_ID, AVG(MONTHLY\_DISCOUNT) from customers group by pack\_id;
    2. select PACK\_ID, AVG(MONTHLY\_DISCOUNT) from customers group by pack\_id having pack\_id in (22,13);
15. select MAX(MONTHLY\_PAYMENT),MIN(MONTHLY\_PAYMENT),AVG(MONTHLY\_PAYMENT) from packages;
    1. select PACK\_ID,count(\*) as NUMBER\_OF\_CUSTOMERS from customers group by pack\_id;
    2. select PACK\_ID,count(\*) as NUMBER\_OF\_CUSTOMERS from customers where MONTHLY\_DISCOUNT>20 group by pack\_id;
    3. select PACK\_ID,count(\*) as NUMBER\_OF\_CUSTOMERS from customers group by pack\_id having count(\*) >100;
16. select state, city, count(\*) as number\_of\_customer from customers group by state, city;
17. select  city, AVG(monthly\_discount) from customers group by state, city;
18. select  city, AVG(monthly\_discount) from customers where monthly\_discount>20 group by state, city;
19. select state, MIN( monthly\_discount) from customers group by state;
20. select state, MIN(monthly\_discount) lowest\_MD  from customers group by state having MIN(monthly\_discount) >10;
21. select speed, count(pack\_ID) from packages group by speed having count(pack\_id)>8;