

SQL Assignment – 12

Using the operators IN, ANY, and ALL.

1) Write a query that selects all customers whose ratings are equal to or greater than ANY of Serres'.

Ans:- select Cname from CUSTOMERS
where Rating > any(select Rating from CUSTOMERS, SALESPeOPLE
where CUSTOMERS.Snum = SALESPeOPLE.Snum
and Sname = 'Serres');

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>select Cname from CUSTOMERS  
-> where Rating > any(select Rating from CUSTOMERS, SALESPeOPLE  
-> where CUSTOMERS.Snum = SALESPeOPLE.Snum  
-> and Sname = 'Serres');  
+-----+  
| Cname  |  
+-----+  
| Grass  |  
| Cisneros |  
+-----+  
2 rows in set (0.00 sec)  
D5_Amit_84097>
```

2) Write a query using ANY or ALL that will find all salespeople who have no customers located in their city.

Ans:- select Sname from SALESPeOPLE
where City != all (select SALESPeOPLE.City from CUSTOMERS, SALESPeOPLE
where CUSTOMERS.Snum = SALESPeOPLE.Snum
and SALESPeOPLE.City = CUSTOMERS.City);

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>select Sname from SALESPeOPLE  
-> where City != all (select SALESPeOPLE.City from CUSTOMERS, SALESPeOPLE  
-> where CUSTOMERS.Snum = SALESPeOPLE.Snum  
-> and SALESPeOPLE.City = CUSTOMERS.City);  
+-----+  
| Sname  |  
+-----+  
| Rifkin |  
| Axelrod |  
+-----+  
2 rows in set (0.00 sec)  
D5_Amit_84097>
```

3) Write a query that selects all orders for amounts greater than any for the customers in London.

Ans-: select Onum, Amt from ORDERS
where Amt > any (select Amt from ORDERS, CUSTOMERS
where ORDERS.Cnum = CUSTOMERS.Cnum
and City = 'London');

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>select Onum, Amt from ORDERS  
-> where Amt > any (select Amt from ORDERS, CUSTOMERS  
-> where ORDERS.Cnum = CUSTOMERS.Cnum  
-> and City = 'London');  
+-----+-----+  
| Onum | Amt      |  
+-----+-----+  
| 3002 | 1900.10  |  
| 3005 | 5160.45  |  
| 3006 | 1098.16  |  
| 3009 | 1713.23  |  
| 3008 | 4723.00  |  
| 3010 | 1309.95  |  
| 3011 | 9891.88  |  
+-----+-----+  
7 rows in set (0.00 sec)  
  
D5_Amit_84097>
```

4) Write the above query using MIN or MAX.

Ans-: select Onum, Amt from ORDERS
where Amt > (select min(Amt) from ORDERS, CUSTOMERS
where ORDERS.Cnum = CUSTOMERS.Cnum
and City = 'London');

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>select Onum, Amt from ORDERS  
-> where Amt > (select min(Amt) from ORDERS, CUSTOMERS  
-> where ORDERS.Cnum = CUSTOMERS.Cnum  
-> and City = 'London');  
+-----+-----+  
| Onum | Amt      |  
+-----+-----+  
| 3002 | 1900.10  |  
| 3005 | 5160.45  |  
| 3006 | 1098.16  |  
| 3009 | 1713.23  |  
| 3008 | 4723.00  |  
| 3010 | 1309.95  |  
| 3011 | 9891.88  |  
+-----+-----+  
7 rows in set (0.00 sec)  
  
D5_Amit_84097>
```