

## 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 \* from customers

-> where rating >= Any

-> (select rating from salespeople

-> where Snum=1002);

Cnum	Cname	City	Rating	Snum
2001	Hoffman	London	100	1001
2002	Giovanni	Rome	200	1003
2003	Liu	San Jose	200	1002
2004	Grass	Berlin	300	1002
2006	Clemens	London	100	1001
2008	Cisneros	San Jose	300	1007
2007	Pereira	Rome	100	1004

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

**Ans:** select \* from salespeople

-> where city!= all(

-> select city from customers

-> where customers.Snum = salespeople.snum);

Snum	Sname	City	Comm
1004	Motika	London	0.11
1007	Rifkin	Barcelona	0.15
1003	Axelrod	New York	0.10

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

Ans:

SELECT \*

-> FROM Orders

-> WHERE Amount > ANY (

-> SELECT Amount

-> FROM Orders

-> WHERE Cnum IN (

-> SELECT Cnum

-> FROM Customers

-> WHERE City = 'London'

-> )

-> );

Onum	Amt	Odate	Cnum	Snum
3002	1900.10	03-10-1990	2007	1004
3005	5160.45	03-10-1990	2003	1002
3006	1098.16	03-10-1990	2008	1007
3009	1713.23	04-10-1990	2002	1003
3010	1309.95	06-10-1990	2004	1002

4) Write the above query using MIN or MAX.

**Ans:** SELECT \*

-> FROM Orders

-> WHERE Amt > (

->   SELECT MIN(Amt)

->   FROM Orders

->   WHERE Cnum IN (

->       SELECT Cnum

->       FROM Customers

->       WHERE City = 'London'

->    )

-> );

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