

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'.

Query:

select cname from customers

-> where rating >= any (select rating from customers

-> where snum = (select snum from salespeople

-> where snum = (select snum from salespeople where sname = 'Serres')));

```
D3_93025_Omkar>select cname from customers
-> where rating >= any (select rating from customers
-> where snum = (select snum from salespeople
-> where snum = (select snum from salespeople where sname = 'Serres')));
```

cname
Giovanni
Liu
Grass
Cisneros

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

Query: select sname from salespeople

-> where snum != all

-> (select c.snum from customers c join salespeople s on s.snum = c.snum

-> where c.city = s.city);

```
D3_93025_Omkar>select sname from salespeople
-> where snum != all
-> (select c.snum from customers c join salespeople s on s.snum = c.snum
-> where c.city = s.city);
```

sname
Motika
Rifkin
Axelrod

3 rows in set (0.00 sec)

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

Query:

select * from orders

-> where amt > any (select o.amt from orders o join customers c

-> on c.cnum = o.cnum

-> where c.city = 'London');

```
D3_93025_Omkar>select * from orders
-> where amt > any (select o.amt from orders o join customers c
-> on c.cnum = o.cnum
-> where c.city = 'London');
```

Onum	Amt	Odate	Cnum	Snum
3002	1900.10	1990-10-03	2007	1004
3005	5160.45	1990-10-03	2003	1002
3006	1098.16	1990-10-03	2008	1007
3009	1713.23	1990-10-04	2002	1003
3008	4723.00	1990-10-05	2006	1001
3010	1309.95	1990-10-06	2004	1002
3011	9891.88	1990-10-06	2006	1001

4) Write the above query using MIN or MAX.

Query: Using MAX

```
select * from orders
-> where amt = (select max(o.amt) from orders o join customers c
-> on c.cnum = o.cnum
-> where c.city = 'London');
```

```
D3_93025_Omkar>select * from orders
-> where amt = (select max(o.amt) from orders o join customers c
-> on c.cnum = o.cnum
-> where c.city = 'London');
```

Onum	Amt	Odate	Cnum	Snum
3011	9891.88	1990-10-06	2006	1001

Query: Using MIN

```
where amt > (select min(o.amt) from orders o join customers c
-> on c.cnum = o.cnum
-> where c.city = 'London');
```

```
D3_93025_Omkar>select * from orders
-> where amt > (select min(o.amt) from orders o join customers c
-> on c.cnum = o.cnum
-> where c.city = 'London');
```

Onum	Amt	Odate	Cnum	Snum
3002	1900.10	1990-10-03	2007	1004
3005	5160.45	1990-10-03	2003	1002
3006	1098.16	1990-10-03	2008	1007
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