

ASSIGNMENT 12

Using the operators IN, ANY, and ALL

KD1-86691-HARSH

QUESTION 1

```
KD1-86691-Harsh@>select * from customers
-> where rating >= any
-> (select rating from customers where snum in
-> (select snum from salespeople where sname = 'serres'));
```

cnum	cname	city	rating	snum
2002	Giovanni	Rome	200	1003
2003	Liu	San Jose	200	1002
2004	Grass	Berlin	300	1002
2008	Cisneros	San Jose	300	1007

4 rows in set (0.00 sec)

QUESTION 2

```
KD1-86691-Harsh@>select snum from salespeople
-> where (snum,city) not in (select snum,city from customers);
```

snum
1004
1007
1003

3 rows in set (0.00 sec)

QUESTION 3

```
KD1-86691-Harsh@>select * from orders
-> where amt > any
-> (select amt from orders where
-> cnum in (select cnum from customers where 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	1990-10-04	2006	1001
3011	9891.88	1990-10-04	2006	1001

6 rows in set (0.02 sec)

QUESTION 4

```
KD1-86691-Harsh@>select * from orders  
-> where amt > (select min(amt) from customers  
-> natural join orders where 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	1990-10-04	2006	1001
3011	9891.88	1990-10-04	2006	1001

```
6 rows in set (0.00 sec)
```