

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'.

select * from customers where rating >=any(select rating from customers where snum=(select snum from salespeople where sname='serres'));

```
Database changed
KD2-86650-Shivali@>select * from customers where rating >=any(select rating from customers where snum=(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 (0.01 sec)
```

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

Ans→ select cnum from customers where city not in(select city from salespeople);

```
[KD2-86650-Shivali@>select cnum from customers where city not in(select city from salespeople);
+-----+
| cnum |
+-----+
| 2002 |
| 2004 |
| 2007 |
+-----+
3 rows in set (0.01 sec)
```

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

Ans→ select onum from orders where amt>any(select amt from orders where cnum =any(select cnum from customers where city='london'));

```
[KD2-86650-Shivali@>select onum from orders where amt>any(select amt from orders where cnum =any(select cnum from customers where city='london'));
+-----+
| onum |
+-----+
| 3002 |
| 3005 |
| 3006 |
| 3009 |
| 3008 |
| 3010 |
| 3011 |
+-----+
7 rows in set (0.00 sec)

KD2-86650-Shivali@>
```

4)Write the above query using MIN or MAX.?

Ans→ select onum from orders where amt=(select max(amt) from orders where cnum=any(select cnum from customers where city='london'));

```
KD2-86650-Shivali@>select onum from orders where amt=(select max(amt) from orders where cnum=any(select cnum from customers where city='london'));
+-----+
| onum |
+-----+
| 3011 |
+-----+
1 row in set (0.00 sec)

KD2-86650-Shivali@>
```