

SQL ASSINGMENT 5

Ques 1) Write a query that will give you all orders for more than Rs. 1,000.

Sol – select * from orders where amt > 1000;

```
kd2_80129_ShikharSharma>select * from orders
-> where amt > 1000;
+-----+-----+-----+-----+
| 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 |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

Ques 2) Write a query that will give you the names and cities of all salespeople in London with a commission above 0.10 .

Sol – select sname, city from salespeople where comm > .10;

```
kd2_80129_ShikharSharma>select sname, city from salespeople where comm > .10;
+-----+-----+
| sname | city   |
+-----+-----+
| Peel  | London |
| Serres | San jose |
| Motika | London |
| Rifkin | Barcelona |
+-----+-----+
4 rows in set (0.00 sec)
```

Ques 3) Write a query on the Customers table whose output will exclude all customers with a rating ≤ 100 , unless they are located in Rome.

Sol - select * from customers where rating > 100 or city = 'Rome';

```
kd2_80129_ShikharSharma>select * from customers
-> where rating > 100 or city = 'Rome';
+-----+-----+-----+-----+-----+
| 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 |
| 2007 | Pereira  | Rome    | 100    | 1004 |
+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)
```

Ques 4) What will be the output from the following query?

Select * from orders

where(amt < 1000 or

not (odate = '1990-10-03' and cnum > 2003));

Sol – The output will be rows where amt is less than 1000 or those rows with date other than 1990-10-03.

```
kd2_80129_ShikharSharma>select * from orders
-> where (amt <1000 or
-> not (odate = '1990-10-03' and cnum > 2003));
+-----+-----+-----+-----+-----+
| onum | amt      | odate      | cnum | snum |
+-----+-----+-----+-----+-----+
| 3001 | 18.69    | 1990-10-03 | 2008 | 1007 |
| 3003 | 767.19   | 1990-10-03 | 2001 | 1001 |
| 3005 | 5160.45  | 1990-10-03 | 2003 | 1002 |
| 3009 | 1713.23  | 1990-10-04 | 2002 | 1003 |
| 3007 | 75.75    | 1990-10-04 | 2004 | 1002 |
| 3008 | 4723.00  | 1990-10-05 | 2006 | 1001 |
| 3010 | 1309.95  | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88  | 1990-10-06 | 2006 | 1001 |
+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)
```

Ques 5) What will be the output of the following query?

Select * from orders

where not ((odate = '1990-10-03' or snum
> 1006) and amt >= 1500);

Sol -

```
kd2_80129_ShikharSharma>select * from orders where not ((odate = '1990-10-03' or snum > 1006) and amt >= 1500);
```

onum	amt	odate	cnum	snum
3001	18.69	1990-10-03	2008	1007
3003	767.19	1990-10-03	2001	1001
3006	1098.16	1990-10-03	2008	1007
3009	1713.23	1990-10-04	2002	1003
3007	75.75	1990-10-04	2004	1002
3008	4723.00	1990-10-05	2006	1001
3010	1309.95	1990-10-06	2004	1002
3011	9891.88	1990-10-06	2006	1001

8 rows in set (0.01 sec)

Ques 6) What is a simpler way to write this query?

Select snum, sname, city, comm from salespeople
where (comm > .12 or comm < .14);

Sol – select * from salespeople;

```
kd2_80129_ShikharSharma>select snum, sname, city, comm from salespeople  
-> where (comm > .12 or comm < .14);
```

```
+-----+-----+-----+-----+  
| snum | sname   | city    | comm |  
+-----+-----+-----+-----+  
| 1001 | Peel    | London  | 0.12 |  
| 1002 | Serres  | San jose| 0.13 |  
| 1004 | Motika  | London  | 0.11 |  
| 1007 | Rifkin  | Barcelona| 0.15 |  
| 1003 | Axelford| New York| 0.10 |  
+-----+-----+-----+-----+  
5 rows in set (0.00 sec)
```

```
kd2_80129_ShikharSharma>select * from salespeople;
```

```
+-----+-----+-----+-----+  
| snum | sname   | city    | comm |  
+-----+-----+-----+-----+  
| 1001 | Peel    | London  | 0.12 |  
| 1002 | Serres  | San jose| 0.13 |  
| 1004 | Motika  | London  | 0.11 |  
| 1007 | Rifkin  | Barcelona| 0.15 |  
| 1003 | Axelford| New York| 0.10 |  
+-----+-----+-----+-----+  
5 rows in set (0.00 sec)
```