

Database Technologies – Assignment 7

KD2-Abhishek-96835

1. Write a query that lists each order number followed by the name of the customer who made the order.

```
KD2_Abhishhek_96835>select o.onum,c.cname from orders o inner join customers c on c.cnum=o.cnum;
+-----+-----+
| onum | cname |
+-----+-----+
| 3001 | Cisneros |
| 3003 | Hoffman |
| 3002 | Pereira |
| 3005 | Liu |
| 3006 | Cisneros |
| 3009 | Giovanni |
| 3007 | Grass |
| 3008 | Clemens |
| 3010 | Grass |
| 3011 | Clemens |
+-----+-----+
10 rows in set (0.00 sec)
```

2. Write a query that gives the names of both the salesperson and the customer for each order along with the order number.

```
KD2_Abhishhek_96835>select s.sname,c.cname,o.onum from customers as c inner join orders as o on c.cnum=o.cnum inner join salespeople as s on o.snum=s.snum;
+-----+-----+-----+
| sname | cname | onum |
+-----+-----+-----+
| Peel | Hoffman | 3003 |
| Axelrod | Giovanni | 3009 |
| Serres | Liu | 3005 |
| Serres | Grass | 3010 |
| Serres | Grass | 3007 |
| Peel | Clemens | 3011 |
| Peel | Clemens | 3008 |
| Rifkin | Cisneros | 3006 |
| Rifkin | Cisneros | 3001 |
| Motika | Pereira | 3002 |
+-----+-----+-----+
10 rows in set (0.00 sec)
```

3. Write a query that produces all customers serviced by salespeople with a commission above 12%.

Display the customer's name, the salesperson's name, and the salesperson's rate of commission.

```
KD2_Abhishhek_96835>select c.cname,s.sname,s.comm from customers c inner join salespeople as s on c.snum=s.snum having s.comm>0.12;
+-----+-----+-----+
| cname | sname | comm |
+-----+-----+-----+
| Liu | Serres | 0.13 |
| Grass | Serres | 0.13 |
| Cisneros | Rifkin | 0.15 |
+-----+-----+-----+
3 rows in set (0.01 sec)
```

4. Write a query that calculates the commission earned by each salesperson for orders placed by customers with a rating above 100.

```
KD2_Abhishhek_96835>select o.onum,(s.comm*o.amt) as commision from customers as c inner join orders as o on c.cnum=o.cnum inner join salespeople as s on o.snum where c.rating>100;
+-----+-----+
| onum | commision |
+-----+-----+
| 3010 | 40.2935 |
| 3007 | 9.8475 |
| 3005 | 670.8585 |
| 3006 | 164.7248 |
| 3001 | 2.8035 |
| 3009 | 171.3238 |
+-----+-----+
6 rows in set (0.01 sec)
```

5. Write a query that produces all pairs of salespeople who are living in the same city.
Exclude combinations of salespeople with themselves as well as duplicate rows with the order reversed .

```
KD2_Abhishhek_96835>select s1.sname,s2.sname,s1.city from salespeople as s1 inner join salespeople as s2 on s1.city=s2.city where s1.sname<s2.sname;
+-----+-----+-----+
| sname | sname | city  |
+-----+-----+-----+
| Motika | Peel  | London |
+-----+-----+-----+
1 row in set (0.00 sec)

KD2_Abhishhek_96835>
```