SQL Assignment 09

Querying multiple tables at once

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

```
D5_Shaurya_83785>select DISTINCT Onum,CNAME FROM ORDERS,CUSTOMERS WHERE ORDERS.CNUM =
 CUSTOMERS.CNUM;
+------+-----------+
| Onum | CNAME     |
+------+-----------+
| 3001 | Clisneros |
| 3003 | Hoffman   |
| 3002 | Pereira   |
| 3005 | Liu       |
| 3006 | Clisneros |
| 3009 | Giovanni  |
| 3007 | Grass     |
| 3008 | Clemens   |
| 3010 | Grass     |
| 3011 | Clemens   |
+------+-----------+
10 rows in set (0.00 sec)
```

Arranging by ascending order for better visibility:

```
D5_Shaurya_83785>select DISTINCT Onum,CNAME FROM ORDERS,CUSTOMERS WHERE ORDERS.CNUM =
 CUSTOMERS.CNUM ORDER BY Onum ASC, CNAME ASC;
+------+-----------+
| Onum | CNAME     |
+------+-----------+
| 3001 | Clisneros |
| 3002 | Pereira   |
| 3003 | Hoffman   |
| 3005 | Liu       |
| 3006 | Clisneros |
| 3007 | Grass     |
| 3008 | Clemens   |
| 3009 | Giovanni  |
| 3010 | Grass     |
| 3011 | Clemens   |
+------+-----------+
10 rows in set (0.00 sec)
```

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

```
D5_Shaurya_83785>SELECT SNAME, CNAME, ONUM FROM CUSTOMERS,SALESPEOPLE,ORDERS WHERE
CUSTOMERS.SNUM = SALESPEOPLE.SNUM AND SALESPEOPLE.SNUM = ORDERS.SNUM ORDER BY SNAME
 ASC
, CNAME ASC, Onum ASC;
+---------+-----------+------+
| SNAME   | CNAME     | ONUM |
+---------+-----------+------+
| Axelrod | Giovanni  | 3009 |
| Axelrod | Liu       | 3009 |
| Motika  | Pereira   | 3002 |
| Peel    | Clemens   | 3003 |
| Peel    | Clemens   | 3008 |
| Peel    | Clemens   | 3011 |
| Peel    | Hoffman   | 3003 |
| Peel    | Hoffman   | 3008 |
| Peel    | Hoffman   | 3011 |
| Rifkin  | Clisneros | 3001 |
| Rifkin  | Clisneros | 3006 |
| Serres  | Grass     | 3005 |
| Serres  | Grass     | 3007 |
| Serres  | Grass     | 3010 |
+---------+-----------+------+
14 rows in set (0.00 sec)
```

Q.3 Write a query that produces all customers serviced by salespeople with a commission above 12% . output the customer's name, the salesperson's name, and the salesperson's rate of commission.

```
D5_Shaurya_83785>SELECT CNAME, SNAME, COMM FROM ORDERS, CUSTOMERS, SALESPEOPLE WHE
RE SALESPEOPLE.SNUM = CUSTOMERS.SNUM AND CUSTOMERS.SNUM = ORDERS.SNUM AND COMM > 0
.12;
+-----------+--------+------+
| CNAME     | SNAME  | COMM |
+-----------+--------+------+
| Clisneros | Rifkin | 0.15 |
| Grass     | Serres | 0.13 |
| Clisneros | Rifkin | 0.15 |
| Grass     | Serres | 0.13 |
| Grass     | Serres | 0.13 |
+-----------+--------+------+
5 rows in set (0.00 sec)
```

Q.4 Write a query that calculates the amount of the salesperson's commission on each order by a customer with a rating above 100.

```
D5_Shaurya_83785>SELECT SNAME, Amt*COMM as COMMISSION, CNAME FROM ORDERS, CUSTOMER
S, SALESPEOPLE WHERE SALESPEOPLE.SNUM = CUSTOMERS.SNUM AND CUSTOMERS.SNUM = ORDERS
.SNUM AND CUSTOMERS.RATING > 100;
+---------+------------+-----------+
| SNAME   | COMMISSION | CNAME     |
+---------+------------+-----------+
| Rifkin  |       2.80 | Clisneros |
| Serres  |     670.86 | Grass     |
| Rifkin  |     164.72 | Clisneros |
| Axelrod |     171.32 | Giovanni  |
| Axelrod |     171.32 | Liu       |
| Serres  |       9.85 | Grass     |
| Serres  |     170.29 | Grass     |
+---------+------------+-----------+
7 rows in set (0.00 sec)
```