Consider 3 tables – Salespeople, Customer, and Orders tables and write the queries for the following.

**Salespeople Table:**

|  |  |  |  |
| --- | --- | --- | --- |
| 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 | AxelRod | New York | 0.10 |
| 1005 | Fran | London | 0.26 |

**Customer Table:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CNUM | CNAME | CITY | RATING | SNUM |
| 2001 | Hoffman | London | 100 | 1001 |
| 2002 | Giovanni | Rome | 200 | 1003 |
| 2003 | Liu | San Jose | 200 | 1002 |
| 2004 | Grass | Berlin | 300 | 1002 |
| 2006 | Clemens | London | 100 | 1001 |
| 2008 | Cisneros | San Jose | 300 | 1007 |
| 2007 | Pereira | Rome | 100 | 1004 |

**Orders Table:**

|  |  |  |  |
| --- | --- | --- | --- |
| ONUM | AMT | ODATE | CNUM |
| 3001 | 18.69 | 10/03/96 | 2008 |
| 3003 | 767.19 | 10/03/96 | 2001 |
| 3002 | 1900.10 | 10/03/96 | 2007 |
| 3005 | 5160.45 | 10/03/96 | 2003 |
| 3006 | 1098.16 | 10/03/96 | 2008 |
| 3009 | 1713.23 | 10/04/96 | 2002 |
| 3007 | 75.75 | 10/04/96 | 2002 |
| 3008 | 4723.00 | 10/05/96 | 2006 |
| 3010 | 1309.95 | 10/06/96 | 2004 |
| 3011 | 9891.88 | 10/06/96 | 2006 |

1. Write a query that produces all pairs of salespeople with themselves as well as duplicate rows with the order reversed.
2. Write a query that joins the Customer table to itself to find all pairs of customers served by a single salesperson.
3. Write a query that lists each order number followed by the name of the customer who made that order.
4. Write a query to create a view with order num, order amount, customer id and customer name, and display all the fields whose order amount is highest from the view table.