***Assignment – 9* Querying Multiple Tables at Once.**

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

**Ans : SELECT o.Onum, c.Cname**

**-> FROM orders o**

**-> JOIN customers c ON o.Cnum = c.Cnum;**

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**| Onum | Cname |**

**+------+----------+**

**| 3003 | Rahul |**

**| 3009 | Neha |**

**| 3005 | Karan |**

**| 3010 | Isha |**

**| 3007 | Isha |**

**| 3003 | Hoffman |**

**| 3009 | Giovanni |**

**| 3005 | Liu |**

**| 3010 | Grass |**

**| 3007 | Grass |**

**| 3011 | Clemens |**

**| 3008 | Clemens |**

**| 3006 | Cisneros |**

**| 3001 | Cisneros |**

**| 3002 | Pereira |**

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

**Ans : mysql> SELECT o.Onum, c.Cname AS Customer\_Name, s.Sname AS Salesperson\_Name**

**-> FROM orders o**

**-> JOIN customers c ON o.Cnum = c.Cnum**

**-> JOIN salespeople s ON o.Snum = s.Snum;**

**+------+---------------+------------------+**

**| Onum | Customer\_Name | Salesperson\_Name |**

**+------+---------------+------------------+**

**| 3008 | Clemens | Amit |**

**| 3011 | Clemens | Amit |**

**| 3003 | Hoffman | Amit |**

**| 3003 | Rahul | Amit |**

**| 3007 | Grass | Sneha |**

**| 3010 | Grass | Sneha |**

**| 3005 | Liu | Sneha |**

**| 3007 | Isha | Sneha |**

**| 3010 | Isha | Sneha |**

**| 3005 | Karan | Sneha |**

**| 3009 | Giovanni | Raj |**

**| 3009 | Neha | Raj |**

**| 3002 | Pereira | Meera |**

**| 3008 | Clemens | Peel |**

**| 3011 | Clemens | Peel |**

**| 3003 | Hoffman | Peel |**

**| 3003 | Rahul | Peel |**

**| 3007 | Grass | Serres |**

**| 3010 | Grass | Serres |**

**| 3005 | Liu | Serres |**

**| 3007 | Isha | Serres |**

**| 3010 | Isha | Serres |**

**| 3005 | Karan | Serres |**

**| 3002 | Pereira | Motika |**

**| 3001 | Cisneros | Rifkin |**

**| 3006 | Cisneros | Rifkin |**

**| 3009 | Giovanni | Axelrod |**

**| 3009 | Neha | Axelrod |**

**| 3008 | Clemens | Peel |**

**| 3011 | Clemens | Peel |**

**| 3003 | Hoffman | Peel |**

**| 3003 | Rahul | Peel |**

**| 3007 | Grass | Serres |**

**| 3010 | Grass | Serres |**

**| 3005 | Liu | Serres |**

**| 3007 | Isha | Serres |**

**| 3010 | Isha | Serres |**

**| 3005 | Karan | Serres |**

**| 3002 | Pereira | Motika |**

**| 3001 | Cisneros | Rifkin |**

**| 3006 | Cisneros | Rifkin |**

**| 3009 | Giovanni | Axelrod |**

**| 3009 | Neha | Axelrod |**

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1. 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.

**Ans : mysql> SELECT c.Cname AS Customer\_Name, s.Sname AS Salesperson\_Name, s.Comm AS Commission\_Rate**

**-> FROM customers c**

**-> JOIN salespeople s ON c.Snum = s.Snum**

**-> WHERE s.Comm > 0.12;**

**+---------------+------------------+-----------------+**

**| Customer\_Name | Salesperson\_Name | Commission\_Rate |**

**+---------------+------------------+-----------------+**

**| Rahul | Amit | 0.15 |**

**| Neha | Serres | 0.13 |**

**| Neha | Serres | 0.13 |**

**| Neha | Sneha | 0.20 |**

**| Karan | Raj | 0.13 |**

**| Isha | Amit | 0.15 |**

**| Hoffman | Amit | 0.15 |**

**| Giovanni | Raj | 0.13 |**

**| Liu | Serres | 0.13 |**

**| Liu | Serres | 0.13 |**

**| Liu | Sneha | 0.20 |**

**| Grass | Serres | 0.13 |**

**| Grass | Serres | 0.13 |**

**| Grass | Sneha | 0.20 |**

**| Clemens | Amit | 0.15 |**

**| Cisneros | Rifkin | 0.15 |**

**| Cisneros | Rifkin | 0.15 |**

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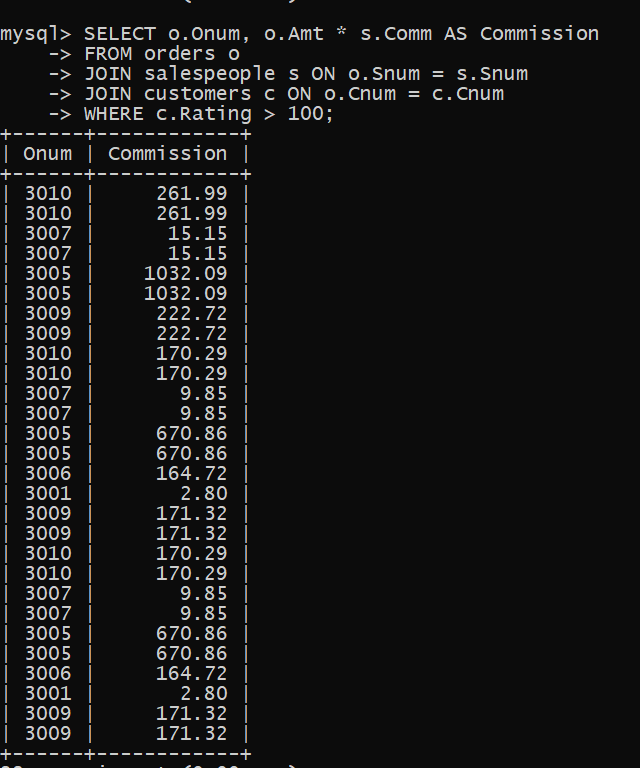
**SELECT o.Onum, o.Amt \* s.Comm AS Commission**

**-> FROM orders o**

**-> JOIN salespeople s ON o.Snum = s.Snum**

**-> JOIN customers c ON o.Cnum = c.Cnum**

**-> WHERE c.Rating > 100;**

1. **Write a query that calculates the amount of the salesperson’s commission on each order by a customer with a rating above 100. **