**ASSIGNMENT 09**

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

mysql> SELECT o.Onum AS order\_number, c.Cname AS customer\_name

-> FROM orders o

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

+--------------+---------------+

| order\_number | customer\_name |

+--------------+---------------+

| 3003 | Hoffman |

| 3009 | Giovanni |

| 3005 | Liu |

| 3007 | Grass |

| 3010 | Grass |

| 3008 | Clemens |

| 3011 | Clemens |

| 3002 | Pereira |

| 3001 | Cisneros |

| 3006 | Cisneros |

+--------------+---------------+

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.

mysql> SELECT o.Onum AS order\_number, s.Sname AS salesperson\_name, c.Cname AS customer\_name

-> FROM orders o

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

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

+--------------+------------------+---------------+

| order\_number | salesperson\_name | customer\_name |

+--------------+------------------+---------------+

| 3003 | Peel | Hoffman |

| 3008 | Peel | Clemens |

| 3011 | Peel | Clemens |

| 3005 | Serres | Liu |

| 3007 | Serres | Grass |

| 3010 | Serres | Grass |

| 3009 | Axelrod | Giovanni |

| 3002 | Motika | Pereira |

| 3001 | Rifkin | Cisneros |

| 3006 | Rifkin | Cisneros |

+--------------+------------------+---------------+

10 rows in set (0.00 sec)

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.

mysql> SELECT c.Cname AS customer\_name, s.Sname AS salesperson\_name, s.Comm AS commission\_rate

-> FROM orders o

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

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

-> WHERE s.Comm > 0.12;

+---------------+------------------+-----------------+

| customer\_name | salesperson\_name | commission\_rate |

+---------------+------------------+-----------------+

| Liu | Serres | 0.13 |

| Grass | Serres | 0.13 |

| Grass | Serres | 0.13 |

| Cisneros | Rifkin | 0.15 |

| Cisneros | Rifkin | 0.15 |

+---------------+------------------+-----------------+

5 rows in set (0.00 sec)

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

mysql> SELECT o.Onum AS order\_number, s.Sname AS salesperson\_name, c.Cname AS customer\_name,

-> (o.Amt \* s.Comm) AS commission\_amount

-> FROM orders o

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

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

-> WHERE c.Rating > 100;

+--------------+------------------+---------------+-------------------+

| order\_number | salesperson\_name | customer\_name | commission\_amount |

+--------------+------------------+---------------+-------------------+

| 3009 | Axelrod | Giovanni | 171.32 |

| 3005 | Serres | Liu | 670.86 |

| 3007 | Serres | Grass | 9.85 |

| 3010 | Serres | Grass | 170.29 |

| 3001 | Rifkin | Cisneros | 2.80 |

| 3006 | Rifkin | Cisneros | 164.72 |

+--------------+------------------+---------------+-------------------+

6 rows in set (0.01 sec)