

Assignment 9

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

```
W3_93086_Harshal>select onum,cname from customers,orders where customers.snum = orders.snum;
+-----+-----+
| onum | cname |
+-----+-----+
| 3001 | Cisneros |
| 3003 | Clemens |
| 3003 | Hoffman |
| 3002 | Pereira |
| 3005 | Grass |
| 3005 | Liu |
| 3006 | Cisneros |
| 3009 | Giovanni |
| 3007 | Grass |
| 3007 | Liu |
| 3008 | Clemens |
| 3008 | Hoffman |
| 3010 | Grass |
| 3010 | Liu |
| 3011 | Clemens |
| 3011 | Hoffman |
+-----+-----+
16 rows in set (0.00 sec)

W3_93086_Harshal>
```

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

```
W3_93086_Harshal>select sname,cname,onum from salespeople,customers,orders where Salespeople.snum = Customers.Snum and Customers.Snum = Orders.Snum;
+-----+-----+-----+
| sname | cname | onum |
+-----+-----+-----+
| Rifkin | Cisneros | 3001 |
| Peel | Clemens | 3003 |
| Peel | Hoffman | 3003 |
| Motika | Pereira | 3002 |
| Serres | Grass | 3005 |
| Serres | Liu | 3005 |
| Rifkin | Cisneros | 3006 |
| Axelrod | Giovanni | 3009 |
| Serres | Grass | 3007 |
| Serres | Liu | 3007 |
| Peel | Clemens | 3008 |
| Peel | Hoffman | 3008 |
| Serres | Grass | 3010 |
| Serres | Liu | 3010 |
| Peel | Clemens | 3011 |
| Peel | Hoffman | 3011 |
+-----+-----+-----+
16 rows in set (0.00 sec)

W3_93086_Harshal>
```

- 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.

```
ERROR 1052 (23000): Column 'sname' in where clause is ambiguous
W3_93086_Harshal>select sname,cname,comm from salespeople,customers where SALESPEOPLE.SNUM = CUSTOMERS.SNUM AND COMM > 0.12;
+-----+-----+-----+
| sname | cname | comm |
+-----+-----+-----+
| Serres | Liu   | 0.13 |
| Serres | Grass | 0.13 |
| Rifkin | Cisneros | 0.15 |
+-----+-----+-----+
3 rows in set (0.00 sec)

W3_93086_Harshal>
```

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

```
W3_93086_Harshal>SELECT SNAME, AMT * COMM AS AMT_COMM FROM CUSTOMERS,SALESPEOPLE,ORDERS WHERE CUSTOMERS.SNUM = SALESPEOPLE.SNUM AND SALESPEOPLE.SNUM = ORDERS.SNUM AND RATING > 100;
+-----+-----+
| SNAME | AMT_COMM |
+-----+-----+
| Rifkin | 2.803500191509727 |
| Serres | 670.8585007836809 |
| Serres | 670.8585007836809 |
| Rifkin | 164.724011672497 |
| Axelrod | 171.3230005997866 |
| Serres | 9.847499638795853 |
| Serres | 9.847499638795853 |
| Serres | 170.29348740601563 |
| Serres | 170.29348740601563 |
+-----+-----+
9 rows in set (0.00 sec)

W3_93086_Harshal>
```