# SQL 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:

```
W1_83926_Vaibhavi>select Onum,Cname from Orders,Customers where Orders.Cnum = Cu
stomers.Cnum;
+------+----------+
| Onum | Cname    |
+------+----------+
| 3001 | Cisneros |
| 3003 | Hoffman  |
| 3002 | Pereira  |
| 3005 | Liu      |
| 3006 | Cisneros |
| 3009 | Giovanni |
| 3007 | Grass    |
| 3008 | Clemens  |
| 3010 | Grass    |
| 3011 | Clemens  |
+------+----------+
10 rows in set (0.00 sec)
```

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

```
W1_83926_Vaibhavi>select Sname, Cname, Onum from Salespeople, Customers, Orders
where Salespeople.Snum = Customers.Snum and Customers.Snum = Orders.Snum order by O
num;
+---------+----------+------+
| Sname   | Cname    | Onum |
+---------+----------+------+
| Rifikin | Cisneros | 3001 |
| Motika  | Pereira  | 3002 |
| Peel    | Hoffman  | 3003 |
| Peel    | Clemens  | 3003 |
| Serres  | Liu      | 3005 |
| Serres  | Grass    | 3005 |
| Rifikin | Cisneros | 3006 |
| Serres  | Liu      | 3007 |
| Serres  | Grass    | 3007 |
| Peel    | Hoffman  | 3008 |
| Peel    | Clemens  | 3008 |
| Axelrod | Giovanni | 3009 |
| Serres  | Liu      | 3010 |
| Serres  | Grass    | 3010 |
| Peel    | Hoffman  | 3011 |
| Peel    | Clemens  | 3011 |
+---------+----------+------+
16 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.
Ans:

```
W1_83926_Vaibhavi>select Cname, Sname, Comm from Customers, Salespeople where Comm>
.12 and Customers.Snum = Salespeople.Snum;
+----------+---------+------+
| Cname    | Sname   | Comm |
+----------+---------+------+
| Liu      | Serres  | 0.13 |
| Grass    | Serres  | 0.13 |
| Cisneros | Rifikin | 0.15 |
+----------+---------+------+
3 rows in set (0.00 sec)
```

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

```
W1_83926_Vaibhavi>select Comm, Rating, (Comm * Amt) "TOTAL_Amt" from Salespeople
,Customers,Orders where Rating > 100 and Salespeople.Snum = Customers.Snum and C
ustomers.Snum = Orders.Snum order by Comm;
+------+--------+-----------+
| Comm | Rating | TOTAL_Amt |
+------+--------+-----------+
| 0.10 |    200 |    171.32 |
| 0.13 |    200 |    670.86 |
| 0.13 |    300 |    670.86 |
| 0.13 |    200 |      9.85 |
| 0.13 |    300 |      9.85 |
| 0.13 |    200 |    170.29 |
| 0.13 |    300 |    170.29 |
| 0.15 |    300 |      2.80 |
| 0.15 |    300 |    164.72 |
+------+--------+-----------+
9 rows in set (0.01 sec)
```