

# 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:- select Onum, Cname from ORDERS, CUSTOMERS  
where CUSTOMERS.Cnum = ORDERS.Cnum;

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>select Onum, Cname from ORDERS, CUSTOMERS  
-> where CUSTOMERS.Cnum = ORDERS.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)  
  
D5_Amit_84097>
```

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

Ans:- select Onum, Sname, Cname from ORDERS, CUSTOMERS, SALESPeOPLE  
where SALESPeOPLE.Snum = ORDERS.Snum  
and CUSTOMERS.Cnum = ORDERS.Cnum  
order by Onum;

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
10 rows in set (0.00 sec)  
  
D5_Amit_84097>  
D5_Amit_84097>select Onum, Sname, Cname from ORDERS, CUSTOMERS, SALESPeOPLE  
-> where SALESPeOPLE.Snum = ORDERS.Snum  
-> and CUSTOMERS.Cnum = ORDERS.Cnum  
-> order by Onum;  
+-----+-----+-----+  
| Onum | Sname | Cname |  
+-----+-----+-----+  
| 3001 | Rifkin | Cisneros |  
| 3002 | Motika | Pereira |  
| 3003 | Peel | Hoffman |  
| 3005 | Serres | Liu |  
| 3006 | Rifkin | Cisneros |  
| 3007 | Serres | Grass |  
| 3008 | Peel | Clemens |  
| 3009 | Axelrod | Giovanni |  
| 3010 | Serres | Grass |  
| 3011 | Peel | Clemens |  
+-----+-----+-----+  
10 rows in set (0.01 sec)  
  
D5_Amit_84097>
```

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:- select Cname, Sname, Comm from CUSTOMERS, SALESPEOPLE  
where SALESPEOPLE.Snum = CUSTOMERS.Snum  
having Comm > 0.12;

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>select Cname, Sname, Comm from CUSTOMERS, SALESPEOPLE  
-> where SALESPEOPLE.Snum = CUSTOMERS.Snum  
-> having Comm > 0.12;  
+-----+-----+-----+  
| Cname   | Sname   | Comm   |  
+-----+-----+-----+  
| Liu      | Serres  | 0.13   |  
| Grass    | Serres  | 0.13   |  
| Cisneros | Rifkin  | 0.15   |  
+-----+-----+-----+  
3 rows in set (0.00 sec)  
  
D5_Amit_84097>
```

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:- select Onum, Amt\*Comm "Amount of Commission = Amt\*Comm" from ORDERS,  
CUSTOMERS, SALESPEOPLE  
where SALESPEOPLE.Snum = ORDERS.Snum  
and CUSTOMERS.Cnum = ORDERS.Cnum  
and Rating>100  
order by Onum;

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>select Onum, Amt*Comm "Amount of Commission = Amt*Comm" from ORDERS, CUSTOMERS, SALESPEOPLE  
-> where SALESPEOPLE.Snum = ORDERS.Snum  
-> and CUSTOMERS.Cnum = ORDERS.Cnum  
-> and Rating>100  
-> order by Onum;  
+-----+-----+-----+  
| Onum | Amount of Commission = Amt*Comm |  
+-----+-----+-----+  
| 3001 | 2.803500191509727 |  
| 3005 | 670.8585007836809 |  
| 3006 | 164.724011672497 |  
| 3007 | 9.847499638795853 |  
| 3009 | 171.3230005997866 |  
| 3010 | 170.29348740601563 |  
+-----+-----+-----+  
6 rows in set (0.00 sec)  
  
D5_Amit_84097>
```