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.

select orders.onum,customers.cname from orders, customers where customers.cnum = orders.cnum;

```
D3_92972_Shubham>select orders.onum,customers.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 (0.03 sec)
```

2) Write a query that gives the names of both the salesperson and the customer for

each order along with the order number.

select orders.onum, salespeople.sname, customers.cname from orders, customers, salespeople
where customers.cnum = orders.cnum and orders.snum = salespeople.snum;

```
D3_92972_Shubham>select orders.onum, salespeople.sname, customers.cname from orders, customers, salespeople where customers.cnum = ord
ers.cnum and orders.snum = salespeople.snum;
+------+---------+----------+
| onum | sname   | cname    |
+------+---------+----------+
| 3003 | Peel    | Hoffman  |
| 3009 | Axelrod | Giovanni |
| 3005 | Serres  | Liu      |
| 3010 | Serres  | Grass    |
| 3007 | Serres  | Grass    |
| 3011 | Peel    | Clemens  |
| 3008 | Peel    | Clemens  |
| 3006 | Rifkin  | Cisneros |
| 3001 | Rifkin  | Cisneros |
| 3002 | Motika  | Pereira  |
+------+---------+----------+
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.

Select customers.cname, salespeople.sname, salespeople.comm from customers, salespeople where customers.snum = salespeople.snum and salespeople.comm>0.12;

```
D3_92972_Shubham>Select customers.cname, salespeople.sname, salespeople.comm from customers, salespeople where customers.snum = salesp
eople.snum and salespeople.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)
```

4) Write a query that calculates the amount of the salesperson's commission on each

order by a customer with a rating above 100.

Select orders.onum, salespeople.sname, orders.amt*salespeople.comm as 'comm', customers.rating from orders, customers, salespeople where customers.snum = orders.snum and orders.snum = salespeople.snum and customers.rating > 100;

```
D3_92972_Shubham>Select orders.onum, salespeople.sname, orders.amt*salespeople.comm as 'comm', customers.rating from orders, customers
, salespeople where customers.snum = orders.snum and orders.snum = salespeople.snum and customers.rating > 100;
+------+--------+--------+--------+
| onum | sname  | comm   | rating |
+------+--------+--------+--------+
| 3001 | Rifkin |   2.80 |    300 |
| 3005 | Serres | 670.86 |    200 |
| 3005 | Serres | 670.86 |    300 |
| 3006 | Rifkin | 164.72 |    300 |
| 3009 | Axelrod| 171.32 |    200 |
| 3007 | Serres |   9.85 |    200 |
| 3007 | Serres |   9.85 |    300 |
| 3010 | Serres | 170.29 |    200 |
| 3010 | Serres | 170.29 |    300 |
+------+--------+--------+--------+
9 rows in set (0.00 sec)
```