Assignment – 11

Subqueries.

1) Write a query that uses a subquery to obtain all orders for the customer named

Cisneros. Assume you do not know his customer number (cnum).

Query : select onum from orders where cnum = (select cnum from customers where cname = 'Cisneros') ;

```
D3_93068_Pankaj>select onum from orders where cnum = (select cnum from custo
mer where cname = 'cisnerous') ;
+------+
| onum |
+------+
| 3001 |
| 3006 |
+------+
2 rows in set (0.00 sec)
```

2) Write a query that produces the names and ratings of all customers who have

above-average orders.

Query : select cname, rating from customers where cnum in (select cnum from orders where amt > (select avg(amt) from orders));

```
D3_93068_Pankaj>select cname, rating from customer where cnum in (select cnu
m from orders where amt > (select avg(amt) from orders ) );
+---------+--------+
| cname   | rating |
+---------+--------+
| LIU     |    200 |
| Clemens |    100 |
+---------+--------+
2 rows in set (0.08 sec)
```

3) Write a query that selects the total amount in orders for each salesperson for

whom this total is greater than the amount of the largest order in the table.

Query : select snum , sum(amt) total from orders group by snum having total >(select max(amt) from orders) ;

```
D3_93068_Pankaj>select snum , sum(amt) total from orders group by snum havin
g total >(select max(amt) from orders ) ;
+------+----------+
| snum | total    |
+------+----------+
| 1001 | 15382.07 |
+------+----------+
1 row in set (0.03 sec)
```