

## Assignment – 11

### Subqueries

1) Write a query that uses a subquery to obtain all orders for the customer named Hoffman. Assume you do not know his customer number (cnum).

```
D2_92814_Krushna>select * from orders where Cnum = (select Cnum
from customers where cname ='Hoffman');
+-----+-----+-----+-----+-----+
| Onum | Amt   | Odate   | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3003 | 767.19 | 1990-10-03 | 2001 | 1007 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

2) Write a query that produces the names and ratings of all customers who have above-average orders.

```
D2_92814_Krushna>select Cname , Rating from customers where Cnum
in (select Cnum from orders where Amt > (select Avg(Amt) from
orders) );
+-----+-----+
| Cname | Rating |
+-----+-----+
| Clemens | 100 |
| Pereira | 150 |
+-----+-----+
2 rows in set (0.00 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

```
D2_92814_Krushna>select snum , sum(amt) as total_orders from ord
ers group by Snum having sum(amt) > (select max(amt) from orders
);
+-----+-----+
| snum | total_orders |
+-----+-----+
| 1001 | 14614.88 |
+-----+-----+
1 row in set (0.00 sec)

D2_92814_Krushna>
```