

SAMARTH ZADBUKE

- 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).

```
W2_SAMARTHZADBUKE_87083>select * from orders where snum = (select snum from customers where cname='cisneros') order by 1;
+-----+-----+-----+-----+-----+
| ONUM | AMT   | Odate   | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

W2_SAMARTHZADBUKE_87083>_
```

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

```
W2_SAMARTHZADBUKE_87083>select CNAME,RATING from customers WHERE cnum IN (select cnum from orders where orders.cnum= customers.cnum GROUP BY cnum HAVING AVG(amt) >(select AVG(amt) FROM orders));
+-----+-----+
| CNAME | RATING |
+-----+-----+
| Liu   | 200    |
| Clemens | 100    |
+-----+-----+
2 rows in set (0.00 sec)

W2_SAMARTHZADBUKE_87083>_
```

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

```
W2_SAMARTHZADBUKE_87083>SELECT snum, SUM(amt) AS total_amount  
-> FROM orders  
-> GROUP BY snum  
-> HAVING SUM(amt) > (SELECT MAX(amt) FROM orders);
```

```
+-----+-----+  
| snum | total_amount |  
+-----+-----+  
| 1001 | 15382.07 |  
+-----+-----+  
1 row in set (0.00 sec)
```

```
W2_SAMARTHZADBUKE_87083>
```