

SQL 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).

```
D1_86939_Prajwal>Select * from orders where cnum = (select cnum from customers where cname = 'Cisneros');
+-----+-----+-----+-----+-----+
| 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)
```

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

```
D1_86939_Prajwal>select cname , rating from customers
-> where cnum in (select cnum from orders where amt >
-> (select avg(amt) from orders));
+-----+-----+
| cname | rating |
+-----+-----+
| Liu   | 200    |
| Clemens | 100    |
+-----+-----+
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

```
D1_86939_Prajwal>select sum(amt), sysdate() from orders where snum = (select snum from orders where amt
= (select max(amt) from orders));
+-----+-----+
| sum(amt) | sysdate() |
+-----+-----+
| 15382.07 | 2024-09-14 16:19:25 |
+-----+-----+
1 row in set (0.01 sec)
```

