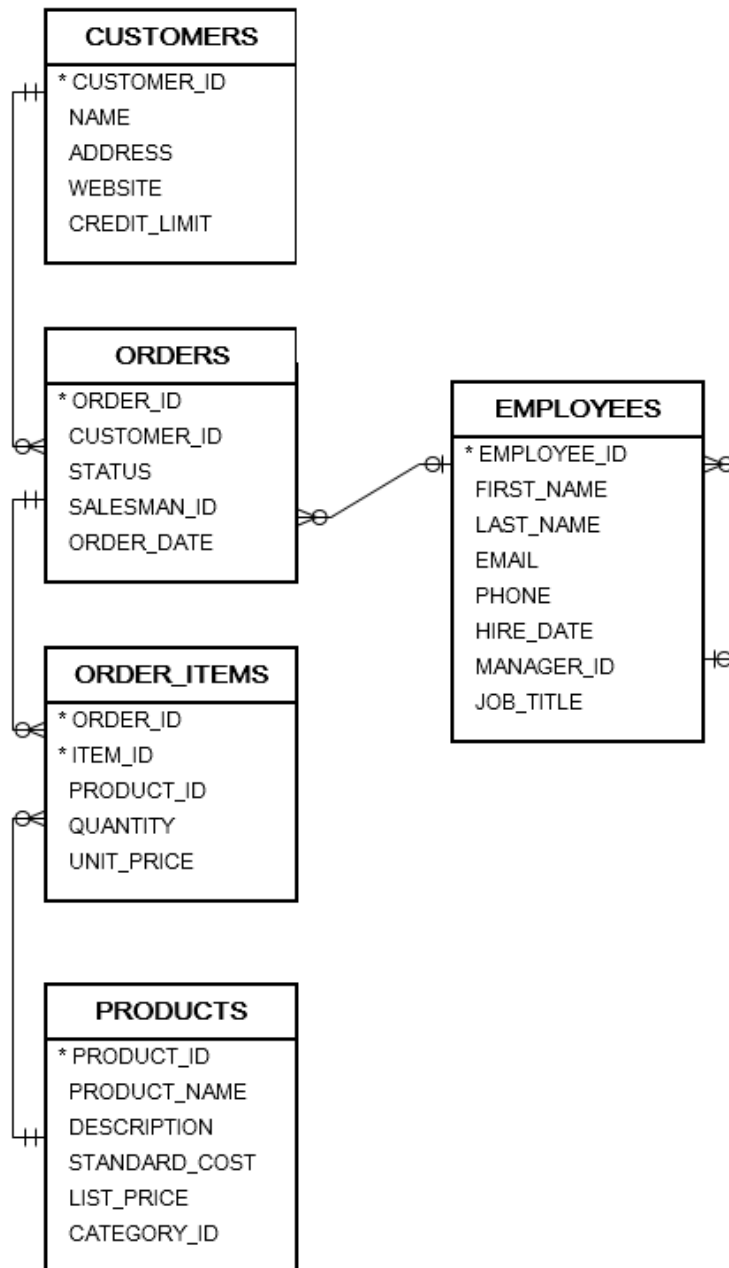




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Database Systems Lab
CS 11354
Spring Semester: 2022/2023
Lab Assignment # 5

Lab Exercises (Use the following tables):





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Use Subquery to find:

1. Write a query to display the product_id, product_name, list_price for the products that has the list price greater than the product_id 208.

```
SELECT PRODUCT_ID, PRODUCT_NAME, LIST_PRICE  
FROM PRODUCTS  
WHERE LIST_PRICE  
> (SELECT LIST_PRICE FROM PRODUCTS WHERE  
PRODUCT_ID=208);
```

2. Write a query to display the name of the products that is ordered more than 6 times.

```
SELECT PRODUCT_NAME FROM PRODUCTS WHERE PRODUCT_ID IN  
(SELECT PRODUCT_ID FROM ORDERS WHERE COUNT(PRODUCT_ID) > 6)
```

3. Find the employee_id, first name, last name, number of orders for the employees who served the highest number of orders. (note that the salesman_id must not be null).

```
SELECT EMPLOYEE_ID, FIRST_NAME, LAST_NAME WHERE  
CUSTOMER_ID IN (SELECT CUSTOMER_ID FROM ORDERS);
```

4. Write a query to display the order_id for the ordered items that has quantity more than all quantities inside the order id number 101 and the unit_price is less than the average of unit prices.

```
SELECT ORDER_ID  
FROM ORDER_ITEMS  
WHERE QUANTITY >  
ALL(SELECT QUANTITY FROM ORDER_ITEMS WHERE  
ORDER_ID=101)  
AND UNIT_PRICE <  
(SELECT AVG(UNIT_PRICE) FROM ORDER_ITEMS);
```



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5.



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- 6. Write a query to display the customer id,name for the customer that ordered an item with unit price=649 and quantity is 139**

**SELECT CUSTOMER_ID, NAME FROM CUSTOMERS WHERE
CUSTOMER_ID=(SELECT CUSTOMER_ID FROM ORDERS) AND
ANY(SELECT UNIT_PRICE FROM ORDER_ITEMS WHERE
UNIT_PRICE=649 AND QUANTITY = 139)**