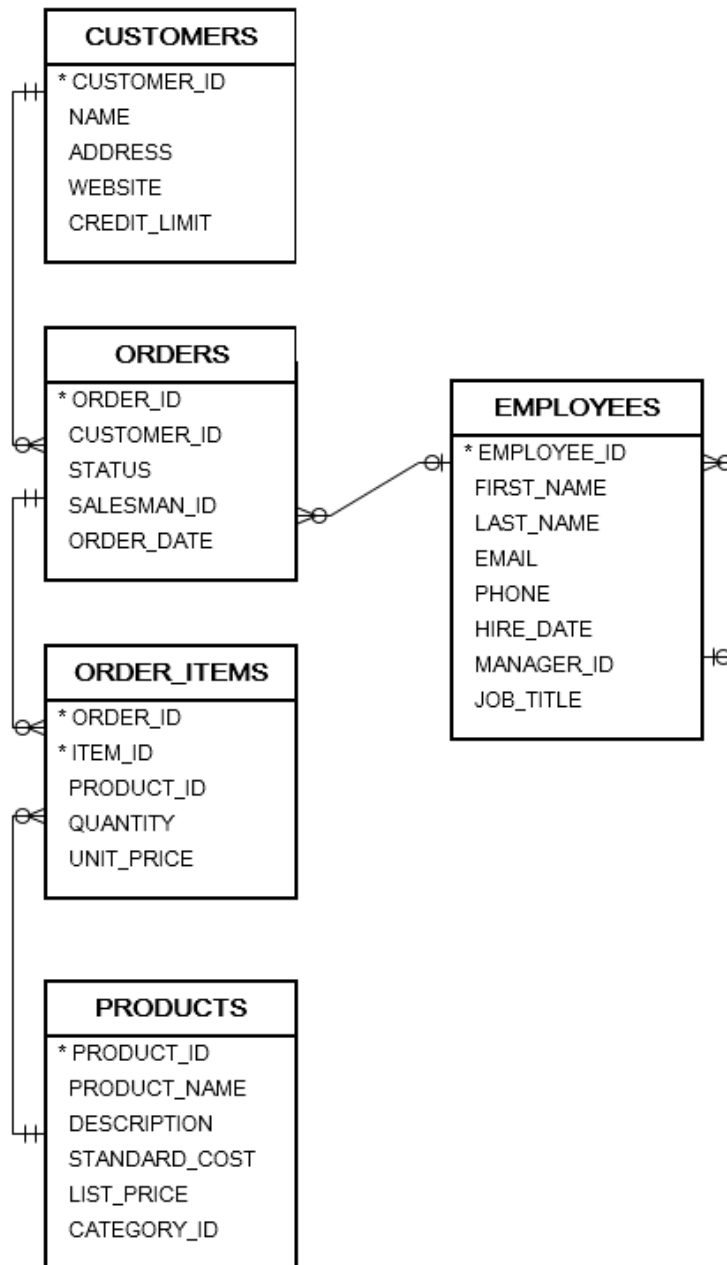




Princess Sumaya University for Technology
King Hussein Faculty of Computing Sciences
Computer Science Department

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

Lab Exercises (Use the following tables):





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1. Write a query to display the lowest and the highest ordered quantity for product name starting with 'Intel'.

```
select distinct min(quantity),max(quantity) from  
products,order_items where  
products.product_id=order_items.product_id and product_name like  
'Intel%';
```

2. Write a query to display the name of the customer and the number of orders that he requested.

```
select name,count(*) from customers,orders where  
customers.customer_id=orders.customer_id group by name;
```

3. Find the number of employees who served orders.

```
select count(distinct(salesman_id)) from orders;
```

4. Write a query to display the product_name, sum of unit price for all orders where the summation is more than 1000\$.

```
select product_name,sum(unit_price) from products,order_items where  
products.product_id=order_items.product_id group by product_name  
having sum(unit_price)>1000;
```

5. Write a query to display the first name, last_name, the total amount of quantity requested by each employee, sort the result by the total quantities.

```
select first_name,last_name,sum(quantity) from  
employees,orders,order_items where  
employees.employee_id=orders.salesman_id and  
orders.order_id=order_items.order_id group by first_name,last_name  
order by sum(quantity);
```