



**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**

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

```
SELECT MIN(QUANTITY), MAX(QUANTITY) FROM ORDER_ITEMS,  
PRODUCTS WHERE ORDER_ITEMS.PRODUCT_ID =  
PRODUCTS.PRODUCT_ID AND PRODUCTS.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 (EMPLOYEE_ID)) FROM EMPLOYEES,  
ORDERS WHERE ORDERS.SALESMAN_ID = EMPLOYEES.EMPLOYEE_ID;
```

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 HAVING SUM(ORDER_ITEMS.UNIT_PRICE)  
> 1000 GROUP BY PRODUCT_NAME;
```

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 ORDERS.SALESMAN_ID = EMPLOYEES.EMPLOYEE_ID AND  
ORDERS.ORDER_ID = ORDER_ITEMS.ORDER_ID  
GROUP BY FIRST_NAME, LAST_NAME  
ORDER BY SUM(QUANTITY);
```