



**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 # 4**

1. Write a query to display the customer's name, customer address, order ID, Status, order date for all orders.

```
SELECT NAME, ADDRESS, ORDER_ID FROM CUSTOMERS, ORDERS WHERE  
CUSTOMERS.CUSTOMER_ID = ORDERS.CUSTOMER_ID;
```

2. Write a query to display the product name, order id, order date, status, quantity, unit price for the order items having the product name started with 'Intel'.

```
SELECT p.PRODUCT_NAME, o.ORDER_ID, o.ORDER_DATE, o.STATUS,  
oi.QUANTITY, oi.UNIT_PRICE  
FROM PRODUCTS p, ORDERS o, ORDER_ITEMS oi  
WHERE oi.PRODUCT_ID = p.PRODUCT_ID and o.ORDER_ID = oi.ORDER_ID  
and p.PRODUCT_NAME LIKE 'Intel%';
```

3. Write a query that will display all the orders that have the same salesman and having different order id, display them in pairs (order id1 and order id2 are served by first name).

```
SELECT oo.ORDER_ID || ' and ' || oa.ORDER_ID || ' are served by ' ||  
e.FIRST_NAME  
FROM EMPLOYEES e, ORDERS oo, ORDERS oa  
WHERE oo.SALESMAN_ID = oa.SALESMAN_ID AND oo.order_id !=  
oa.order_id AND e.EMPLOYEE_ID = oo.SALESMAN_ID;
```

4. Write a query that will display the order id, product name, unit price for all orders that has the unit price less than the unit price of order id 68.

```
SELECT o.ORDER_ID, p.PRODUCT_NAME, o.UNIT_PRICE FROM  
ORDER_ITEMS o, ORDER_ITEMS oo, PRODUCTS p WHERE (o.UNIT_PRICE  
< oo.UNIT_PRICE AND oo.ORDER_ID = 68) AND (o.PRODUCT_ID =  
p.PRODUCT_ID);
```

5. Write a query to display the order id, product name. all product names must be shown including the products that didn't requested in any order

```
SELECT o.ORDER_ID, p.PRODUCT_NAME FROM ORDER_ITEMS o,  
PRODUCTS p WHERE p.PRODUCT_ID = o.PRODUCT_ID(+)
```