**Facultad de Informática. Computer Science Engineering Bachelor's Degree.
Databases 2022-2023. Group I.**

EXERCISE. SQL QUERIES: SET THEORY OPERATORS AND INNER JOINS

Download the *script* `05lab2-SQL2.sql` from the Virtual Campus. It contains the table descriptions for the database of *All The Books* bookstore and some data insertion sentences. Inspect the structure of the database to learn how the information is stored. I suggest you to write the database schema on a paper and draw arrows representing the foreign keys.

Execute the script on a database session and write SQL query sentences for obtaining the information requested in the following questions. It is very important to check that the results of your queries are correct with respect to the data in the tables.

1. Display the price list of the books that are available in the bookstore.
   Schema: (ISBN, book_title, year, sale_price)

2. Display the list of orders and the clients that have requested them.
   Schema: (order_Id, order_date, client_Id, client_name)

3. Display the clients whose name contains 'Jo' and the books that they have bought.
   Schema: (client_Id, client_name, book_title)

4. Display the clients that have bought at least one book with sale price greater than 10 euro.
   Schema: (client_Id, client_name)

5. Display the clients and dates in which they have placed orders that have not been sent yet.
   Schema: (client_Id, client_name, order_Id, order_date)

6. Display the clients that have NOT bought any book.
   Schema: (client_Id, client_name)

7. Display the clients that have ONLY bought books that cost less than 20 euro.
   Schema: (client_Id, client_name)

8. Display the books that cost more than 30 euro or that have been sold more than 5 copies in the same purchase order.
   Schema: (book_isbn, book_title, sale_price)

9. List of clients that have placed more than one order on the same date.
   Schema: (client_Id, client_name, order_date)

10. Display the clients that have bought the books 'Dracula' or '1984'.
    Schema: (client_Id, client_name)

11. Display the clients that have bought both books 'Pride and Prejudice' and 'The Little Prince'.
    Schema: (client_Id, client_name)

12. Display the clients and the books for which a profit of at least 50 euro has been obtained in a single order. The profit is the difference between the sale price and the purchase price. You must take into account the number of copies sold.
    Schema: (client_name, book_title, profit)