TP13-Structure

Lab's objectives:

- to practice with structure in C programming to create a new data type which consists of existing data types or nested structure
- Deadline: 6 days

Problem1: Student Information:

Define a structure named `Student` containing fields like name, roll number, age, and grade. Write a program to input details of multiple students and display them.

Problem2: Employee Management:

Create a structure named `Employee` with fields like ID, name, designation, and salary. Write a program to input details of employees and display them. Implement functionalities like finding the employee with the highest salary and average salary calculation.

Problem3: Bank Account Management:

Create a structure named `Account` with fields for account number, account holder name, balance, and account type. Write a program to perform operations like deposit, withdrawal, and balance inquiry.

Problem4: Date Management:

Define a structure named `Date` with fields for day, month, and year. Write a program to input dates and validate them. Implement functionalities like finding the next day and difference between two dates.

Problem5: Inventory Management:
Define a structure named `Product` with fields like product code, name, quantity, and price. Write a program to maintain an inventory of products, perform operations like adding, deleting, and updating products.