

Structures Homework-3

Do the following question and submit on google classroom.

(Only CPP files)

(example) **Q1_22_1234.cpp**

1. Create a structure to represent student records with fields for name, roll number, and marks. Write a program to input and display multiple student records.
2. Define a structure for employee details, including name, employee ID, and salary. Create an array of employee structures and implement functions to add, delete, and display employee records.
3. Create a structure to represent a book with attributes like title, author, ISBN, and price. Build a program to manage a book inventory, including adding, updating, and listing books.
4. Design a structure for a bank account with fields like account number, account holder's name, and balance. Implement functions for deposit, withdrawal, and displaying account details.
5. Define a structure to represent a date (day, month, year) and write functions to validate dates, find the day of the week for a given date, and compare two dates.
6. Create a structure to represent a rectangle with fields for length and width. Write functions to calculate the area, perimeter, and check if two rectangles intersect.
7. Design a structure to hold contact information (name, phone number, email). Build a program to manage a contact list, allowing users to add, search, and delete contacts.
8. Define a structure to represent a car with attributes like make, model, year, and price. Implement functions to add, search, and display car records in an inventory.
9. Create a structure to represent a book in a library catalog with fields for title, author, publication year, and availability status. Develop a program to manage the library catalog.
10. Define a structure for movie details, including title, director, release year, and rating. Implement functions to add, search, and display movie information in a database.