

Assignment -10

(Structure and Data File)

Q1. Create a structure to specify the book: Book_No., Book_name, Book_author, Book_Title, Book_Price. Store the information of 10 books in the library. Write a menu driven program that depicts the working of a library. The menu options should be:

- a. List all books of a given author.
- b. List the title of the specified book.

For each of the above operations create separate functions.

Q2. Create a structure to specify data on students given below: Roll number, Name, Department, City, CPI Store the information of 10 students in the class. Write a menu driven program to perform the following operation on structure:

- a. Delete the information of the student whose roll number is given by the user.
- b. Print the details of the student who secured highest CPI in the class.
- c. Count the number of students who belong to the specified department given by the user.

For each of the above operations create separate functions.

Q3. Create a database of a company having n employees. The value of n can be taken from a user who is creating a database (minimum value of n should be 6). The employee can have the following details: name, birthdate having day, month & year, and salary.

After creating a database.

- Write a function to find out those employees who have salary in the range of 20000 Rupees and 30000 rupees. Use this function in the main program. The list of employees should be printed in the main program.
- Write a function to sort employees based on their salary. Use this function in the main program. The list of employees should be printed in the main program.

Note: The entered salaries should lie between rupees 20000 to 40000 rupees.

Q4. A file named SET contains a series of integers (app. 15 integers). Code a program to write a file SET having the required information. After writing the file SET, write a code to read these numbers from the file SET and then distribute the numbers into two files namely, ODD having odd numbers and EVEN having even numbers. All contents of the files should be displayed in the main function.