

## ICP Lab Assignment 8

Q1. There is structure called **employee** that holds information like employee code, name, date of joining. Write a c program to create a array of structure and enter some data into it. Then ask user to enter date. Display the name of those employees whose tenure period is 3 or more then 3 years according to the given date.

Q2. Write a menu drive program that depicts the working of a library. The menu options should be:

1. Add book information
2. Display book information
3. List all books of a given number
4. List the title of specified book
5. List the count of books in the library
6. Exit

Create a structure called **library** to hold title of book, author name, price of book and flag indicating whether book is issued or not.

Q3. A record contains name of cricketer, his age and number of test matches that he has played and the average runs that he has scored in each test match. Create an array of structure to hold records of 20 such cricketer and then write a program to read these records and arrange them in ascending order by average runs.

Q4. Define a structure that can describe a hotel. It should have members that include the name, address, grade, average room charge and number of rooms.

1. Print out hotels of a given grade in order of charges.
2. Print out hotels with room charges less than a given values