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| 1. ***Create a structure to specify data on students given below: Roll number, Name, Department, Course, Year of joining. Assume that there are not more than 450 students in the college. Write a function to print the names of all students who joined in a particular year. Write a function to print the data of a student whose roll number is received by the function.*** 2. ***Create a structure to specify data of customers in a bank. The data to be stored is: Account number, Name, balance in account. Assume maximum of 200 customers. Write a function to print the account number and name of each customer with a balance below $100. If a customer requests for withdrawal or deposit, the form contains the fields: Acct. no, amount, code (1 for deposit and 0 for withdrawal). Write a program to give a message, “The balance is insufficient for the specified withdrawal, if on withdrawal the balance falls below $100.*** |

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| 1. ***Create a structure called library to hold accession number, title of the book, author name, price of the book, and flag indicating whether book is used or not. WAP that implements the working of a library. The menu options should be: Add book information. Display book information. List all books of given author. List the title of specified book. List the count of books in the library. List the books in the order of accession number. Exit.*** |

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| 1. ***An automobile company has serial number for engine parts starting from AA0 to FF9. The others characteristics of parts are year of manufacture, material, and quantity manufactured. Specify a structure to store information corresponding to a part. WAP to retrieve information on parts with serial numbers between BB1 and CC6.*** 2. ***A record contains name of cricketer, his age, number of test matches that he has played and the average runs that he has scored in each test match. Create an array of structures to hold records of 20 such cricketers and then write a program to read these records and arrange them in ascending order by average runs.*** 3. ***There is a structure called employee that holds information like employee code, name, and date of joining. WAP to create an array of structures and enter some data into it. Then ask the user to enter current date. Display the names of those employees whose tenure is greater than or equal to 3 years.*** |

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