

Delhi Public School, R.K.Puram, New Delhi
Computer Science Practical List 2

8. Declare a structure BOOK with the following members:

Bno	of type int
Bname	of type char array of size 20
Author	of type char array of size 20
Price	of type float

Write a menu driven program with separate functions for each of the following for an array of BOOK type:

- To enter values in the array of BOOK
- To display the details from an array of BOOK passed through parameter
- To search for a BOOK from the array upon its Bno and display its details
- To search for a BOOK from the array upon its Bname and display its details

9. Declare a structure CANDIDATE with the following members:

Cno	of type int
Cname	of type char array of size 20
Score	of type int

Write a menu driven program with separate functions for each of the following for an array of CANDIDATE type:

- To enter values in the array of CANDIDATE
- To display the array of CANDIDATE
- To sort the array in ascending order of Score using bubble sort and display the sorted array

10. Declare a structure ACCOUNT with the following members:

Acno	of type int
Name	of type char array of size 20
Balance	of type float

Write a menu driven program with separate functions for each of the following for an array of ACCOUNT type:

To enter values in the array of ACCOUNT

To display the details of array of ACCOUNT passed through parameter

To display the details of all ACCOUNTs from array of ACCOUNT where Balance is > 100000

11. Declare a structure FLIGHT with the following members:

Flno	of type int
DepTime	of type char array of size 20
ArrTime	of type char array of size 20
Fare	of type float

Delhi Public School, R.K.Puram, New Delhi

Write a menu driven program with separate functions for each of the following for an array of FLIGHT type:

To enter values in the array

To display the details of a FLIGHT passed through parameter

To return the details of the FLIGHT with the lowest Fare

12. Declare a structure DATE with the following members:

Day of type int

Month of type int

Year of type int

Declare another structure STUDENT with the following members:

Admno of type int

Sname of type char array of size 20

DOB of type date //represents date of birth

Write a menu driven program with separate functions for each of the following for an array of STUDENT type:

- To enter values in the array of STUDENT
- To display details of a STUDENT from array of STUDENT passed through parameter
- To display the details of all students from array of STUDENT who are born on [1 1 1990] or [2 2 1990] or [3 3 1990]

General Instructions:

- i. Type the programs mentioned above during the Lab Periods
- ii. Type in the following on top of each of your program as comment lines
/*
Program No : 8
Developed By: Gagan Sriprakash, Gareema Gehlot, Gyan Chandrashekhar
Date : 08-May-2016
*/
- iii. On successful compilation and execution, copy and paste the sample output at the bottom of the program as comment lines.
- iv. Take out a hardcopy of the program from the printer and get it signed from the respective computer teacher. Paste this printout in the practical file and get the Index entry also signed.