

Tutorial-7

EEN-103

1. Write a program using pointers for the following:
 - i) Create a Dynamic array having name marksArray with size 4
 - ii) Enter marks in the array
 - iii) Display the values of the elements of the array
 - iv) Create another array of size twice than marksArray having name marksArrayA
 - v) Transfer marksArray elements to marksarrayA in position 0 to 3
 - vi) Delete the dynamic array marksArray
 - vii) Now enter marks in vacant elements of marksArrayA. Note only elements 4 to 7 are vacant
 - vii) Display elements of marksArrayA
 - viii) Delete dynamic array marksArrayA
 - ix) Also explain why deletion of array is necessary. If omitted, what would be it's implication.
2. Write a program for creating a student structure. It must include the basic information of each student, such as name, enrollment no, joining date, etc. Then, group the list of students of same year and pass it to another structure faculty. The output of the program should display the students year wise.
3. Write a program to add two structure elements using pointer.
4. Define a class named IITR. It should contain information about all academic units offering various programs. Create data within this class and ensure that they are not accessible to any person except for those associated with the institute (You may ask for some legitimate information of the user before giving access to the class member data).
5. Consider a class of size 30 students. You are required to store the reports of all the students at the end of the semester. Assume that each student registered for five courses in a semester (may have different credits). Write a C++ program using class and display the information of students along with their SGPA.