

13. Pointers to structures and Union

CO4: Develop and execute applications using structures and Unions

1. Write a program in C to demonstrate the use of pointers to structures.
2. Write a program in C to show a pointer to a union.
3. Define a structure called students whose members are name, register number, branch and average marks. Write a program using pointer to structure and print the name of students of a particular branch who have passed and display the number of students passed in that branch. Also list the name and total number of students who have failed. Assume 50% average mark is considered as pass.
4. Create a singly linked list with three nodes. Traverse the nodes and display the data of all the nodes.