

Algorithm Development and Programming Fundamentals

MCA SEM-1

Recursion and User Defined Data Types

1. Write a structure to input the roll number, name, and marks of 5 subjects of a student. Print input data, total marks, and percentages in a proper format. (Use array within structures to store multiple students and create separate functions for printing, collecting, and computing student information)
2. Take the input for book category, book code, book title, author name, price, edition, and the number of copies available for 10 books using structure. Print the input data values along with the total amount for all books in a proper format. (make proper use of an array of structures and functions)
3. Write a simple program to give a demonstration of Union in C.