APPRENTICESHIP

SET 31 – C Programming Language

(Structures)

1. Write a program to sort the 5 student data in ascending order based on the name, Where the structure contains the data members like roll no, name and percentage.

2. Write a program to classify the array of structure of N students with the data members like roll no, name and percentage into 3 arrays of students of 2nd class, 1st class and distinction(50 to 60 for Second class, 60 to 70 First class and more than 70% it is distinction)

3. Write a program to pass a Structure variable of an employee with the data members like employee ID, Name and Salary to a function and Return the variable with the increased salary of 50% and print the result in main.

4. Write a program to find the sum of two complex numbers in function and return the result to main.

5. Write a program to pass an array to a function to find the biggest and the smallest element of the array. Return both from the function using the variable of a Structure.

6. Write a program to pass an array to a function to find the mean and the standard deviation of the array elements. Return both from the function using the variable of a Structure.

7. Write a program to check an array is sorted in Descending order or not using function, where array is the data member of a structure.

8. Write a program to count number of Prime numbers of an array using function, where array is the data member of a structure.

9. Write a program to check a matrix is unit or not using function, where matrix is the data member of a structure.

10. Write a program to check a matrix is symmetric or not using function, where matrix is the data member of a structure.

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