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for **BE, BCA,BIT**

Lab No:09
Title: Structures in C

Lab Excercise :

1) Create a structure “student” (name, roll and marks), read all the attributes of the structure and display the information.
2) Write a program to create a structure of Cartesian coordinate point (x and y), read the two points from the user and find the mid-point and the distance between the points.
3) Write a program to create the structure Time(minute, hour and second), read two Times from the user, find the sum of the times entered by the user (create functions to read display and find the sum of the time, also create necessary logic for the sum of the time to be in proper format).

4) Define a structure “Complex” (typedef), read two complex numbers from the user and perform the addition and subtraction of these two Complex numbers and display the result.

5) Write a program to create the structure “employee” (name, address and the salary). Create array of 8 employee, read the information from the user, finally sort the employee based on the name of the employee, then display the result.(implement the program using function)