**Structure Question**

**Question 1:** Write a program that declares a structure of MyStructure that store no with integer data type. The program should define structure variables, inputs the value and then display the value.

**Question 2:** Write a program that declares a structure of Person that store Person id, name and age with appropriate data types. The program should define structure variables, inputs the values and then displays their values.

**Question 3:** Write a program that declares a structure Student to store Roll No, English, physics, computer subject Marks, average marks of a student. The program should define a structure variable, inputs the values, finds the average and then displays the student values on the screen.

**Question 4:** Write a program that declares a structure to store Computer id (int), brand name(string) and price(float) of a computer. It defines two structure variables and inputs values. It displays the record of costliest computer on the screen.

**Question 5:** Write a program that uses a structure to store employee number, name, hours worked, hourly rate and gross pay. The program inputs employee number, name, hours worked and hourly rate the user, calculates gross pay and then displays all employee data on screen.

**Question 6:** Write a program that creates a structure **Complex** which represents fields by integer **real** and **imaginary.** Programallows the user to enter the **real** and **imaginary** parts complex number and then print the **complex number** on the screen.

For example, if user entered two complex numbers as

Enter Real part = 12

Enter imaginary Part = 4

**Then output of program will be**

Complex no = 12 + 4i

**Question 7:** Write a program that creates a structure **Complex** which represents fields by integers **real and imaginary.** Programallows the user to enter the **real** and **imaginary** parts of two complex numbers. This program calculates the sum of two complex numbers which will be entered by the user. Program will add **real parts** and **imaginary parts** of complex numbers and prints the sum of complex number on the screen.

For example, if user entered two complex numbers as

Enter Real part = 12

Enter imaginary Part = 4

Enter Real part = 3

Enter imaginary Part = 5

**Then output of program will be**

Addition of complex no = 15 + 9i

**Question 8:** Write a program that creates a structure **Player** that store distance covered by the player along with the minutes and seconds taken to cover the distance. The program should input the record of two players and then display the record of the winner player.

**Perform all above question with function**

**structure variable as arguments, returning structure variable from the function.**

**Question 09:** Create a structure called **TIME**. It three members, all type int, should be called hours, minutes, and seconds. Write a program that create **one** structure variable in main () and prompts the user to enter a **TIME** value in hours, minutes, and seconds. This can be in 12:59:59 format, or each number can be entered at a separate prompt (“Enter hours:” and so forth). The program should then store the time in a variable of type struct**TIME,** then pass structure variable to **user define function.** The function prints the **total number** of seconds represented by this time variable.

**Question 10:** Write a program that declares a structure to store the code number, salary and grade of an employee. The program defines two structure variables, inputs records of two employees and then displays the record of the employee with more salary.