**Programming Fundamentals   
Lecture 4  
Topic: Functions**

**Q1. Write a C++ program containing a function main calling another function performing task to read two no's from user, calculate sum and displaying it.**

**Q2.** Write a C++ program having a function main calling another function that reads an array of 5 integers from user, and calculating the sum of all the values and displaying the sum.

**Q3. Write a C++ program having a function main calling another function that reads your name and age as input and displaying it on screen.**

**Q4.** Write a C++ program that contains two functions other than main, where the one function is reading an integer value from user only and another function is trying to print the value read by the first function.

**Q5. Write a C++ program that contains three functions other than main, where the one function is reading two integer values from user only, the second function is trying to calculate the sum of the values read by the first function, and the third function is trying to print the sum calculated by the second function.**

**Q6.** Write a C++ program that contains three functions other than main, where the one function is reading an array of integer values from user only, the second function is trying to calculate the sum of the values of array read by the first function, and the third function is trying to print the sum calculated by the second function.

**Q7. Write a C++ program that contains three functions other than main, where the one function is reading an integer value from user only and another function is trying to calculate the 3rd power of the value read by the first function and the third function is trying to print the power calculated by the second function.**

**Q8.** Write a C++ program that contains three functions other than main, where the first function reads a number n and a power p, the second function is trying to calculate the p power of a number n, and the third function is trying to display the calculated power by second function.