**Assignment C2: Function**

1. Write two different functions to calculate the GCD and LCM of three numbers. Call   these functions from main() and print the results in main().

2. A prime integer is entered through the keyboard. Write a function to obtain  the prime factors of this number. For example, prime factors of 24 are 2, 2,  2 and 3 whereas prime factors of 35 are 5 and 7.

3. Write a function to obtain the first 25 numbers of a Fibonacci  sequence. In a Fibonacci sequence the sum of two successive terms given  the third term. Following are the first few terms of the Fibonacci sequence:  1 1 2 3 5 8 13 21 34 55.

4. Write a program which receives 5 integers and returns the sum , average and  standard deviation of these numbers. Call this function from main() and print  the results in main().

5. Write a function which receives a float and an int from main(), finds the  product of these two and returns the product which is printed in the  main().