

Assignment 4

1. W.A.P.P to find factorial of a number.
2. W.A.P.P to print Fibonacci series.

The Fibonacci sequence $f(1)$, $f(2)$, $f(3)$...is:

1, 1, 2, 3, 5, 8, 13, 21, 34, 55....

Example:

?- fib (6, R).

R = 8

3. W.A.P.P to finding the greatest common divider (GCD) and the least common multiple (LCM) of two integers.
4. W.A.P.P.
 - A. To find length of the list.
 - B. To find first and last element of the list.
 - C. To find the n^{th} element of the list.
 - D. To increment each number in the list.
 - E. To reverse the list.
 - F. To verify if a list has an even number of elements.
 - G. To count vowels in the list
 - H. To remove duplicates from the list.