

RM Coding TaskPhase

Worksheet – 3

Date due: 16th December 11:59:59 PM

1. Display the first 40 terms of the Fibonacci sequence using recursion. It should not take more than 1 second to execute the program.
(Suggestion: Do this last :D)
2. Implement Binary Search using recursion. (Take array as input).
3. Find factorial of a number using recursion.
4. Find sum of digits of a number with and without recursion.
5. Implement the Euclidean algorithm to find the greatest common divisor of two numbers.
6. Implement a sort of your choice (bubble/selection) using recursion.
(Take array as input).