

Exercise 1: Create a method to find the sum of the cubes of the digits of an n digit number.

Exercise 2: Write a java program that simulates a traffic light. The program lets the user select one of three lights: red, yellow, or green with radio buttons. On entering the choice, an appropriate message with “stop” or “ready” or “go” should appear in the console. Initially there is no message shown.

Exercise 3: The Fibonacci sequence is defined by the following rule. The first 2 values in the sequence are 1, 1. Every subsequent value is the sum of the 2 values preceding it. Write a Java program that uses both recursive and non-recursive functions to print the nth value of the Fibonacci sequence?

Exercise 4: Write a Java program that prompts the user for an integer and then prints out all the prime numbers up to that Integer?