COMP1020 Winter 2024

In-Class Participation Week 5 Thursday

Q1) Write a Java program to **create a multiplication table** for a number using loops in the format given below. Next, write the multiplication table in a file named "**MulTable.txt**" [2]

$$2 * 3 = 6$$

$$2 * 5 = 10$$

Q2) Write a Java program to perform a linear search on an ArrayList to find the first occurrence of a prime number in an arraylist of integers. If found, return the prime number; otherwise, return -1.[2]

Prime Number (https://en.wikipedia.org/wiki/List_of_prime_numbers)
A prime number (or prime) is a natural number greater than 1 that has
no positive divisors other than 1 and itself.

Q3) An array has elements:

[1]

How many **swaps** are required to complete the sorting using the bubble sort?(don't use VSCode IDE)