Lab # 9

*Sothea Song*

*100402876*

CPSC 1150 - 003

Instructor: H. Darbandi

Lab Title: Lab 9

Date submitted: July 18 2023

Department: CPSC

Program to create, print, reverse, sort, insert, and find unique in arrays

File Name: Part2A.java

Purpose: read two positive integer numbers each up to 30 digits, and then add them and

print the result along with input numbers.

Input: two positive integer

Output: result along with input numbers

Technical Information:

(You should fill the following information based on compiler and computer you are using).

Compiler: IntelliJ IDEA Community Edition 2023.1.1

Computer: (R) Core(TM) i7-10870H CPU @ 2.20GHz 2.21 GHz, 16 GB of RAM

Operating System: Windows 10 Home Single Language

Language: Java

Generate your test cases based on the specifications in your lab assignment. Follow following format for each test case: (Refer to external document of your first lab)

*purpose*

*input*

*output*

*expected value*

*passed or failed*

Test Cases:

Exercise 1

Test Case 1:

String: A nut for a jar of tuna.

Output:

is it a palindrome? True

Expected:

is it a palindrome? True

Passed

Test Case 2:

String: Borrow or rob?

Output:

is it a palindrome? True

Expected:

is it a palindrome? True

Passed

Test Case 3:

String: A man, a plan, a canal – Panama.

Output:

is it a palindrome? True

Expected:

is it a palindrome? True

Passed

Test Case 3:

String: This is not a palindrome

Output:

is it a palindrome? False

Expected:

is it a palindrome? False

Passed

Exercise 2

Test Case 1:

Enter an SSN: 123-268-097

Output:

123-268-097 is a valid social security number.

Expected:

123-268-097 is a valid social security number.

Passed

Test Case 2:

Enter an SSN: 023-289-097

Output:

023-289-097 is an invalid social security number

Expected:

023-289-097 is an invalid social security number

Passed

Test Case 3:

Enter an SSN: 198-068-097

Output:

198-068-097 is an invalid social security number

Expected:

198-068-097 is an invalid social security number

Passed

Test Case 4:

Enter an SSN: 198-1680-97

Output:

198-1680-97 is an invalid social security number

Expected:

198-1680-97 is an invalid social security number

Passed

Exercise 2

Test Case 1:

Round 1: Select rock (0), scissor (1), or paper (2): 0

The computer is scissor. You are rock. You won!

Round 2: Select rock (0), scissor (1), or paper (2): 1

The computer is rock. You are scissor. Computer won!

Round 3: Select rock (0), scissor (1), or paper (2): 0

The computer is scissor. You are rock. You won!

Round 4: Select rock (0), scissor (1), or paper (2): 2

The computer is rock. You are paper. You won!

Round 5: Select rock (0), scissor (1), or paper (2): 5

Invalid input.

Round 6: Select rock (0), scissor (1), or paper (2): -1

Program terminated.

Passed