

Lab # 8 *Takahiro Mitsuhashi*
100308877

CPSC 1150 - 003 Instructor: H.
Darbandi Lab Title: Top-down
design, Pseudo code and
methods

Formula Lab Date
submitted: July 9th
Department: CSIS

Program Lab5 File Name: Lab8.java Purpose: Find the sum of two
number but take the numbers as string and convert to sum of number.

Technical Information: (You should fill the following information based on
compiler and computer you are using). Compiler: Java SDK version 10.0.1

Computer: something like ::Intel(R)Core(™)i5-6300U CPU 2.40GHz 2.50GHz ,4.00GB

Operating System: 64-bit Operating System,x64-based processor(Windows10)

Language: Java

Program Logic (Pseudocode) Algorithm: input two numbers and reverse those numbers
to add regardless of how many digits for each input. reverse the number after sum-up
START

1. str1,str2← input

2. reverse(str1)&reverse(str2) to add them
reverse←reverse + str.charAt(i) in for-loop

3. findSum(str1,str2) ←convert to string to char
(int)NumberOfString-'0'←number

carry←1 (when more than 10 to next digit)
END

4. PRINT Numbers and findSum(str1,str2)

Generate your test cases based on the specifications in your lab assignment. Follow following format for each test case:

Test Case1:

Input first number: 435
Input second number: 456
The number added is:
435 +
456

891

Test Case2:

Input first number: 123456
Input second number: 234567
The number added is:
123456 +
234567

358023