

**COP-2800: Java Programming**

**Assignment 6-2**

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# Document Version Control

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# Technical Specifications

## Purpose of Technical Implementation

6.2 (Sum the digits in an integer) Write a method that computes the sum of the digits in an integer. Use the following method header:

**public static int sumDigits(long n)**

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**For example, sumDigits(234) returns 9 (2 + 3 + 4).**

## Psuedocode

START PROGRAM

START MAIN METHOD

Declare long number to 234

Print out the static method sumDigits(number)

END MAIN METHOD

START static int sumDigits(number)

STRING numString = (STRING) number

STRING[] numArray = numString.split(“”)

START FOR EACH LOOP

Int digit = (INTEGER) s

Sum += digit

END FOR EACH LOOP

Return sum

END METHOD

END PROGRAM

## Screenshot of working code

https://github.com/rsaavedravaldivia/java2024

A screenshot of a computer program

Description automatically generated