Logo

Description automatically generated

<21/SP-COP-2800-55633> Java Programming

**<Assignment 7-8>**

Document Version: 0.1

Version Date: <September 21, 2021>

Created By: <Francis Fiskey>

* Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author | Rationale |
| 0.1 | 2022 Aug 19 | Shadarien Williams | First Draft |

* Document Purpose

The purpose of this document is to write a program that has or contains two overloaded methods that display the average of a list of numbers.

* Technical Specifications

Purpose of Technical Implementation

The purpose of this implementation is to supply a quick and efficient way to calculate the average of a list of 10 numbers and display it to the user

Technical Implementation Components

Implementation of the scanner class to allow user submission of numbers to pass to the overloaded methods

Technical Implementation Pseudocode:

**Calculate average of list***:*

*Program start*

*Initialize scanner class and save it as userInput*

*Prompt user to enter 10 numbers*

*Start loop:*

*Prompt the user to enter a number for each iteration*

*Save the number to a list named “numbank”*

*End loop*

*Start method:*

*Save temporary variable named total that will store the overall amount*

*Start loop:*

*Iterate of new array (in this case numBank)*

*Save each iteration to be added to total amount*

*End loop:*

*Calculate average by dividiing average by the size of the list of numbers*

*Export the avaerage*

*Display average to user*

*Program end*

SCREENSHOT

Text

Description automatically generated