Logo

Description automatically generated

**22/SU-COP-2805C-72035 Java Programming**

**Exercise 12.15**

Document Version: 0.1

Version Date: July 9, 2022

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# Document Version Control

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| --- | --- | --- | --- |
| Version | Date | Author | Rationale |
| 0.1 | 2022 July 9 | Johnathan Webster | First Draft |

# Document Purpose

The purpose of this document is to define the updated Write/ReadData() class.

# Technical Specifications

## Purpose of Technical Implementation

The purpose of this implementation is to write and then read data from a text file.

## Technical Implementation Components

The class implementation allows the designer to create a new text file with 100 random integers. Also, allows the designer to check if the file already exists.

First we check to see if the file already exists and exit if it does:

*if* (file.*exists*()) {

            System.*out*.*println*("File already exists");

            System.*exit*(0);

        }

Then if the file does not exist to create it and write 100 random numbers to it:

*try* (

                // *Create output file*

                PrintWriter output = *new* *PrintWriter*(file);) {

            // *Write 100 integers created radomly to file*

*for* (int i = 0; i < 100; i++) {

                output.*print*(((int) (Math.*random*() \* 500) + 1));

                output.*print*(" ");

            }

        }

## Write/Readdata Class Implementation

The implementation of this class allows the designer to write and read data from a created text file. This allows the program to validate if the file exists and to act accordingly.