

Module 3 Lab 3B

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Assignment Name: Module 4 Lab 4A

Assignment Brief: Fileio and Error Handling

Sources:

- <https://ccse.kennesaw.edu/fye/pseudocode/pseudocodeguide.php>

Main

```
CLASS Main
BEGIN
    METHOD main
    BEGIN
        IF elements in args supplied on cli is not 2 THEN
            PRINT "improper args" + NEW LINE
            PRINT "Usage: java Main source destination" + NEW LINE
            EXIT PROGRAM
        ENDIF

        CREATE sourceFile ← File object located at arg[0]
        CREATE destination ← File object located at arg[1]

        IF sourceFile DOES NOT EXIST THEN
            PRINT "Source File Does Not Exist!" + NEW LINE
            THROW EXCEPTION
        ENDIF

        IF destinationFile Exist THEN
            PRINT "Destination file already exist." + NEW LINE +
                "Please delete it or choose another destination"
            THROW EXCEPTION
        ENDIF

        TRY WITH RESOURCE (
            CREATE lines ← sourceFile as readable file object
            CREATE output ← destinationFile as writeable file object
        )
        count = 1;
        WHILE there is a nextLine
            line ← lines.nextLine()
            output.print(count + ". " + line + NEWLINE)
            count ← count + 1
        ENDWHILE
    END METHOD
END CLASS
```