

Module 4 Lab 4B

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Assignment Name: Module 4 Lab 4B

Assignment Brief: Fileio and Error Handling

Sources:

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

Main

```
CLASS Main
BEGIN
    METHOD main
    BEGIN
        CREATE sourceFile ← File object located at temps.txt
        CREATE destination ← File object located at output.txt

        CREATE count ← 1
        CREATE min as int
        CREATE max as int

        TRY WITH RESOURCE (
            CREATE temps ← sourceFile as readable file object
            CREATE output ← destinationFile as writeable file object
        )

        CREATE currentElement ← first int in temps file
        min ← currentElement
        max ← currentElement

        WHILE there is a another temp in temps
            currentElement ← temps.nextInt()
            IF currentElement < min THEN
                min ← currentElement
            ELSE IF currentElement > max THEN
                max ← currentElement
            ENDIF

            counter ← counter + 1
        ENDWHILE
    END TRY WITH RESOURCE

    TRY WITH RESOURCE (
        CREATE temps ← sourceFile as readable file object
        CREATE output ← destinationFile as writeable file object
    )

    CREATE arr[counter]

    FOR i←0; i < counter; i++
        arr[i] ← temps.nextInt() + 10
    ENDFOR

    WRITE TO output ← "Max Temp: " + max + NEWLINE
    WRITE TO output ← "Min Temp: " + min + NEWLINE
    WRITE TO output ← "Temperatures plus 10:" + NEWLINE
    FOREACH i in arr
        WRITE TO output ← i
    ENDFOREACH
    END TRY WITH RESOURCE
END METHOD
END CLASS
```