Submission Worksheet

CLICK TO GRADE

https://learn.ethereallab.app/assignment/IT114-003-F2024/it114-module-2-java-problems/grade/js2637

Course: IT114-003-F2024
Assigment: [IT114] Module 2 Java Problems
Student: Jack S. (js2637)

Submissions:

Submission Selection

1 Submission [submitted] 9/20/2024 3:33:02 PM

Instructions

COLLAPSE

Overview Video: https://youtu.be/4M8Di5jrcZQ

Guide:

1. Make sure you're in the main branch locally and `git pull origin main` any pending changes.
2. Make a new branch per the recommended branch name below (`git checkout -b ...`).
3. Create a folder in your local repo called `Module2`
4. Grab the template code from https://gist.github.com/MattToegel/fdd2b37fa79a06ace9dd259ac82728b6.
5. Create individual Java files for each problem and save the files inside the `Module2` folder.
    1. They should end with the file extension in lowercase `.java`.
6. Move the unedited template files to GitHub.
    1. `git add .`
    2. `git commit -m "adding template files"`
    3. `git push origin branch_name` (see below).
    4. Create and open a pull request from the homework branch to main (leave it open until later steps).
7. Note: As you work, it's recommended to add/commit at least after each solution is done (i.e., 3+ times in this case).
    1. Make sure the files are saved before doing this.
    2. A file is unsaved if you see a white dot in the tab where the filename shows in VS Code
8. Fill in the items in the worksheet below (save as often as necessary).
9. Once finished, export the worksheet.
10. Add the output file to any location of your choice in your repository folder (i.e., a `Module2` folder).
11. Check that git sees it via `git status`.

12. If everything is good, continue to submit.
    1. Track the file(s) via `git add`.
    2. Commit the changes via `git commit` (don't forget the commit message).
    3. Push the changes to GitHub via `git push` (don't forget to refer to the proper branch).
    4. Create a pull request from the homework related branch to main (i.e., main <- "homework branch").
    5. Open and complete the merge of the pull request (it should turn purple).
    6. Locally checkout main and pull the latest changes (to prepare for future work).
13. Take the same output file and upload it to Canvas.

Branch name: M2-Java-Problems

Group

100%

Group: Problem 1
Tasks: 1
Points: 3

COLLAPSE

Task

100%

Group: Problem 1
Task #1: Screenshot of the Problem 1 Solved Code and Output
Weight: ~100%
Points: ~3.00

COLLAPSE

Details:
Only make edits where the template code mentions.

Solution should ensure that any passed in array will have only the odd values output.
Requires at least 2 screenshots (code + output from terminal)

Columns: 1

Sub-Task

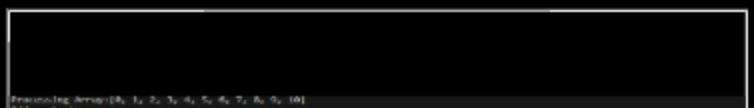
100%

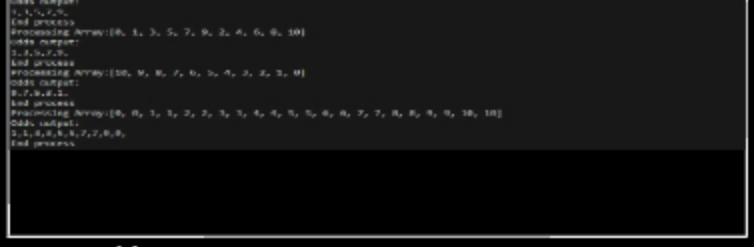
Group: Problem 1
Task #1: Screenshot of the Problem 1 Solved Code and Output
Sub Task #1: Screenshot the output of the solved problem

Task Screenshots

Gallery Style: 2 Columns

4 2 1





Java Problem 1 output

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Sub-Task

100%

Group: Problem 1

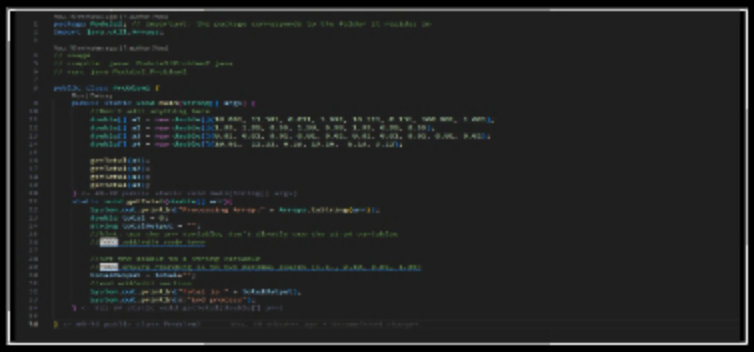
Task #1: Screenshot of the Problem 1 Solved Code and Output

Sub Task #2: Screenshot the code solution (ucid/date must be included as a comment)

Task Screenshots

Gallery Style: 2 Columns

4 2 1



Code of problem 1

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain in concise steps how this logically works

Response:

it just goes through each value in the array with a for loop. Then use the module operator to check if there will be a remainder after it is divided by 2 if there is a remainder then it is odd and will print it out if not it will skip it and go to the next element in the array.

End of Task 1

End of Group: Problem 1

Task Status: 1/1

Group

100%

Group: Problem 2

Tasks: 1

Points: 3

COLLAPSE

Task

100%

Group: Problem 2
Task #1: Screenshot of the Problem 2 Solved Code and Output
Weight: ~100%
Points: ~3.00

COLLAPSE

Details:
Only make edits where the template code mentions.

Solution should ensure that any passed in array will have its values summed AND the final result converted to two decimal places (i.e., 0.10, 1.00, 1.01).

Columns: 1

Sub-Task

100%

Group: Problem 2
Task #1: Screenshot of the Problem 2 Solved Code and Output
Sub Task #1: Screenshot the output of the solved problem

Task Screenshots

Gallery Style: 2 Columns

4 2 1

Java Problem Set 2 output

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Sub-Task

100%

Group: Problem 2
Task #1: Screenshot of the Problem 2 Solved Code and Output
Sub Task #2: Screenshot the code solution (ucid/date must be included as a comment)

Task Screenshots

Gallery Style: 2 Columns

4 2 1

Java Problem set 2 code

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain in concise steps how this logically works

Response:

I just added all the values with a simple for loop and truncation to two decimals by multiplying the value by 100. Then I cast it to an int value removing all the unwanted values after the numbers we needed. then I convert it back to a double by dividing by 100.

End of Task 1

End of Group: Problem 2
Task Status: 1/1

Group

100%

Group: Problem 3
Tasks: 1
Points: 3

COLLAPSE

Task

100%

Group: Problem 3
Task #1: Screenshot of the Problem 3 Solved Code and Output
Weight: ~100%
Points: ~3.00

COLLAPSE

Details:

Only make edits where the template code mentions.

Solution should ensure that any passed in array will have its values converted to a positive version of the value AND converted back to the original data type.

Columns: 1

Sub-Task Group: Problem 3

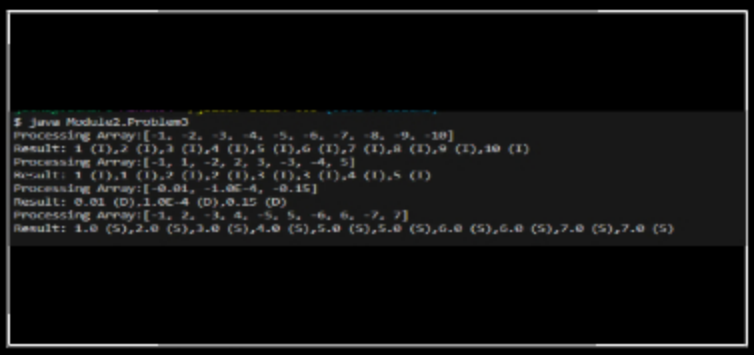
100%

Task #1: Screenshot of the Problem 3 Solved Code and Output
Sub Task #1: Screenshot the output of the solved problem

Task Screenshots

Gallery Style: 2 Columns

4 2 1



Java Problem 3 Output

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Sub-Task

100%

Group: Problem 3
Task #1: Screenshot of the Problem 3 Solved Code and Output
Sub Task #2: Screenshot the code solution (ucid/date must be included as a comment)

Task Screenshots

Gallery Style: 2 Columns

4 2 1

Problem 3 code

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain in concise steps how this logically works

Response:

The code first goes through each element in the array with a for loop, then it checks what type of object is the array with an if else statement. If it is an Integer then it will convert it to an Integer object and then use the math operator to find its absolute value and add it to the output array. If it is a Double it will check to see if it a negative or positive with an if statement, if it is positive already then it will add it to the output array if not it will multiply it by -1 and

convert it to a positive and add it to the output array. the string is similar to the double method but we convert the string to an int with .parseint method and then do the same thing we did for the double.

End of Task 1

End of Group: Problem 3
Task Status: 1/1

Group

100%

Group: Reflection
Tasks: 3
Points: 1

COLLAPSE

Task

100%

Group: Reflection
Task #1: Reflect on your experience
Weight: ~33%
Points: ~0.33

COLLAPSE

Details:
Talk about any issues you had, how you resolved them, and anything you learned during this process.

Provide concrete details/examples. At least a few sentences.

Task Response Prompt

Response:

I had no difficulty with the first 2 problems but with the third one, I needed some assistance. It was hard for me to work with the objects and cast them correctly. It also learn about how to check if an object is a certain value with the instanceof method.

End of Task 1

Task

100%

Group: Reflection
Task #2: Include the pull request link for this branch
Weight: ~33%
Points: ~0.33

COLLAPSE

Details:
The correct link will end with /pull/ and a number.

Task URLs

URL #1
https://github.com/Jackshii/Js2637-IT114-003/pull/4

URL
https://github.com/Jackshii/Js2637-IT114-003/p

End of Task 2

Task

100%

Group: Reflection
Task #3: Add Screenshot of Wakatime
Weight: ~33%
Points: ~0.33

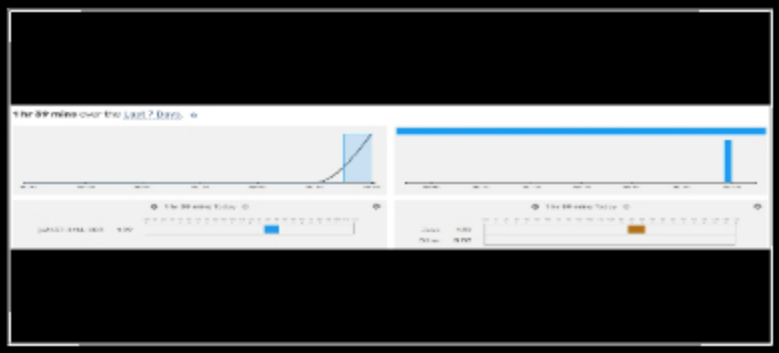
COLLAPSE

Details:
Note: The duration of time isn't directly related to the grade, the goal is to just make sure time is being tracked

Task Screenshots

Gallery Style: 2 Columns

4 2 1



Wakatime

End of Task 3

End of Group: Reflection
Task Status: 3/3

End of Assignment