Submission Worksheet

CLICK TO GRADE

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

Course: IT114-003-F2024
Assigment: [IT114] Module 2 Java Problems
Student: Ricardo V. (rev)

Submissions:

Submission Selection

1 Submission [submitted] 9/21/2024 7:34:53 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.

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

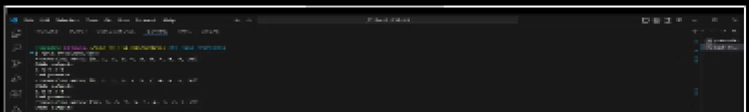
100%

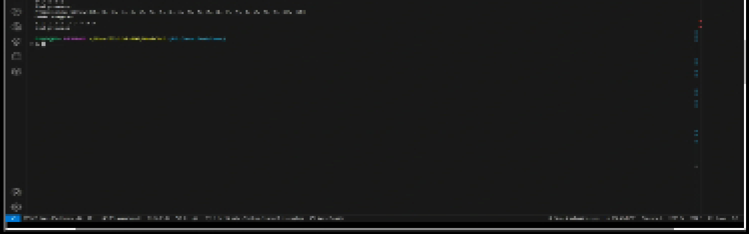
Group: Problem 1
Task #1: Screenshot of the Problem 1 Solved Code and Output
Sub Task #1: Screenshot the output of the solved problem

Task Screenshots

Gallery Style: 2 Columns

4 2 1




output of the solved problem

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

the code solution

Caption(s) (required) ✓

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

Task Response Prompt

Explain in concise steps how this logically works

Response:

- A "for-each" loop is used to iterate through each element in the array.
- The condition "num % 2 != 0" checks if the number is odd.
- If the condition is met, the number is printed.

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

output of the solved problem

Caption(s) (required) ✓

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

Sub-Task

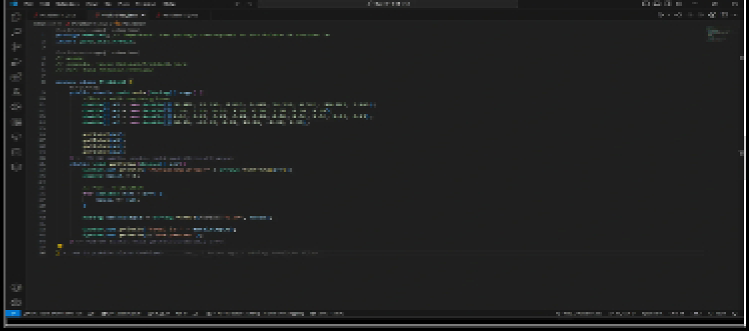
100%

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



the code solution

Caption(s) (required) ✓

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

Task Response Prompt

Explain in concise steps how this logically works

Response:

- A "for-each" loop iterates over each element in the array and adds it to the total.
- "String.format("%.2f", total)" is used to ensure the total is rounded to two decimal places.
- The "totalOutput" string is formatted with the two-decimal precision and then printed.

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

Sub-Task

100%

Group: Problem 3

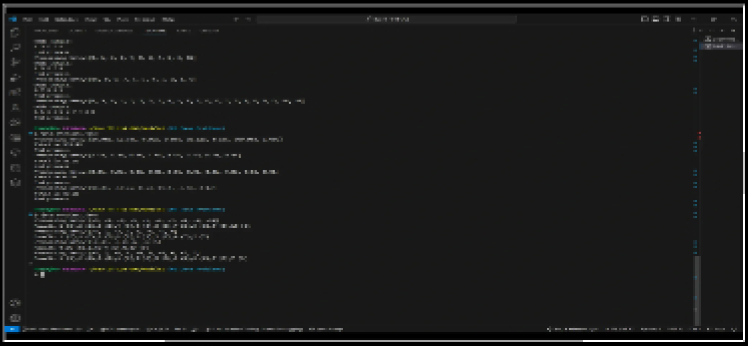
Task #1: Screenshot of the Problem 3 Solved Code and Output

Sub Task #1: Screenshot the output of the solved problem

Task Screenshots

Gallery Style: 2 Columns

4 2 1



output of the solved problem

Caption(s) (required) ✓

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

Sub-Task

100%

Group: Problem 3

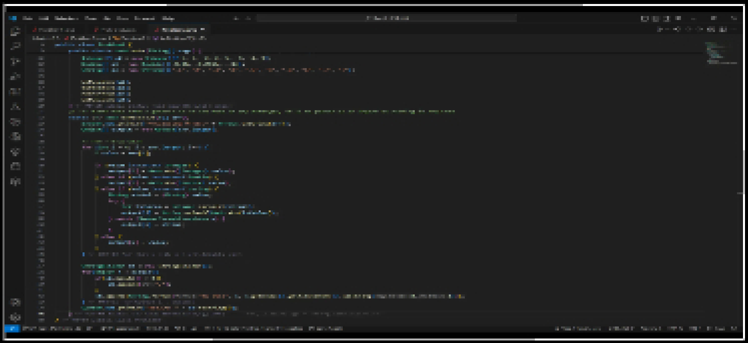
Task #1: Screenshot of the Problem 3 Solved Code and Output

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

Task Screenshots

Gallery Style: 2 Columns

4 2 1



the code solution

Caption(s) (required) ✓

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

Task Response Prompt

Explain in concise steps how this logically works

Response:

1. The "bePositive" method uses a generic type , which allows the process to accept arrays of different data types.
2. The method uses "instanceof" to check the data type of each element in the array: Integer, Double, or String.

- If it's an Integer or Double, it converts the value to its absolute positive form using "Math.abs()".
- If it's a String, it attempts to parse the string into an integer. If the conversion is successful, the absolute value is taken and converted back to a string. If parsing fails, the string is left unchanged.

3. The result is printed in the format value (type abbreviation) using getClass().getSimpleName().substring(0, 1) to extract the first letter of the type name: I for Integer, D for Double, etc.

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:

- It took a while to understand it but I solved the problems; The only issues I had were typing errors.

End of Task 1

Task

100%

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

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

Task URLs

URL #1
https://github.com/RicardoVas9991/Rev-IT-114-003/pull/4

URL
https://github.com/RicardoVas9991/Rev-IT-114-0

End of Task 2

Task

100%

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

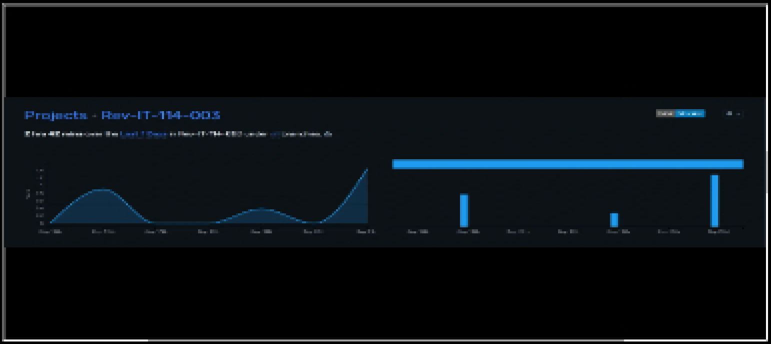
COLLAPSE

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



Screenshot of Wakatime

End of Task 3

End of Group: Reflection
Task Status: 3/3

End of Assignment