Submission Worksheet

CLICK TO GRADE

https://learn.ethereallab.app/assignment/IT114-005-F2024/it114-module-2-java-problems/grade/el286

Course: IT114-005-F2024
Assigment: [IT114] Module 2 Java Problems
Student: Erik L. (el286)

Submissions:

Submission Selection

1 Submission [submitted] 9/25/2024 1:20:59 AM

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

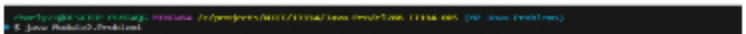
100%

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 for Problem 1

Caption(s) (required) ✓

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

Sub-Task

100%

Group: Problem 1

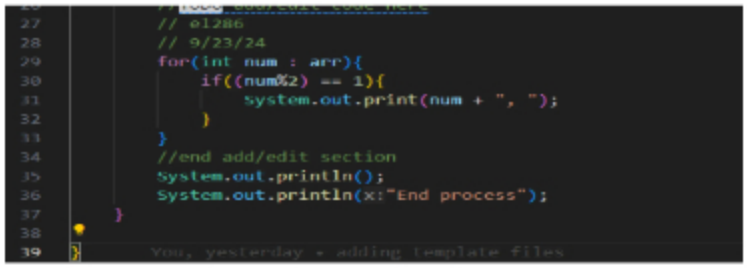
Task #1: Screenshot of the Problem 1 Solved Code and Output

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

Task Screenshots

Gallery Style: 2 Columns

4 2 1



```
        // o1286
        // 9/23/24
        for(int num : arr){
            if((num%2) == 1){
                System.out.print(num + ", ");
            }
        }
        //end add/edit section
        System.out.println();
        System.out.println(x:"End process");
    }
}
```

code solution for 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:

I used a for-each loop that goes through the values (int) in the arr (array such as a1, a2., etc) and inside the that loop I used an "if" statement to check if the value is odd. Using modulus 2 and setting it equal to 1 will determine if its odd knowing that equal to 0 will give even values. Then the values are printed and added a ", " to seperate them.

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

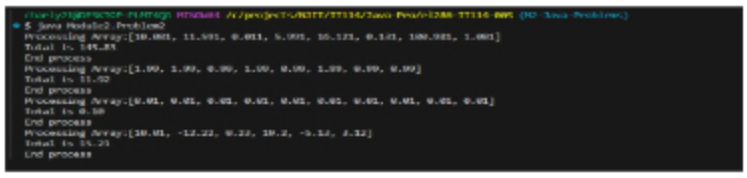
100%

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 for Problem 2

Caption(s) (required) ✓
Caption Hint: *Describe/highlight what's being shown*

Sub-Task

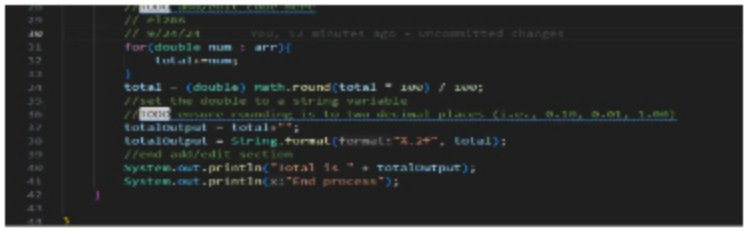
100%

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



Code solution for Problem 2

Caption(s) (required) ✓

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

Task Response Prompt

Explain in concise steps how this logically works

Response:

I used a for-each loop that goes through the values (int) in the arr (array such as a1, a2., etc) and inside the loop I simply added the total with the upcoming values. Therefore the total will update until the end of the array. Once I haver the total for each of the arrays, I used Math.round() to round and for the 2 decimal places it'll be (*100) /100 based on some search. In order ensure the rounding is precisely 2 decimal places, I used String.format.

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

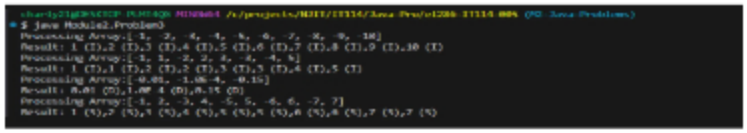
100%

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 for Problem 3

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

Code solution for Problem 3

Caption(s) (required) ✓

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

Task Response Prompt

Explain in concise steps how this logically works

Response:

I kept using a for-each loop where inside the loop, I used if and else if statements to check if the value is an "instanceOf" the given type. Basically comapring the instance with the type. If the value correlates with the type, the index of the output is set to the absolute value of the value to its respective type. Since I'm using a for-each loop, I

had to assign variable index to 0 and increment it after the conditional statements at the end. For the string part, I converted the string to an integer by using Integer.parseInt and assigned it to a variable. Once it's an integer, we use to get the absolute value of it using Math.abs and converted again to a String using String.valueOf to return the specified value.

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 issues in Problem 2 where I would have the rounding inside the loop which didn't give off an accurate rounding and figured to be outside of the loop once it has the total. For problem 3, I kept using a for-each loop to be consistent but I could've simply used a for loop for this problem. Therefore, I searched on how to use the index for a for-each and applied it. Had to search a way of getting the strings to be an int and then vice versa.

End of Task 1

Task

100%

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

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

Task URLs

URL #1
https://github.com/ElLopez21/el286-IT114-005/pull/3

URL
https://github.com/ElLopez21/el286-IT114-005/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