Submission Worksheet

Submission Data

Course: IT114-450-M2025
Assignment: IT114 Java Problems
Student: Alex P. (ap2869)
Status: Submitted | **Worksheet Progress:** 100+%
Potential Grade: 10.67/10.00 (106.70%)
Received Grade: 0.00/10.00 (0.00%)
Started: 6/9/2025 5:52:07 PM
Updated: 6/9/2025 8:13:09 PM
Grading Link: https://learn.ethereallab.app/assignment/v3/IT114-450-M2025/it114-java-problems/grading/ap2869
View Link: https://learn.ethereallab.app/assignment/v3/IT114-450-M2025/it114-java-problems/view/ap2869

Instructions

- Overview Link: https://youtu.be/Mrahk6SFYao

1. Ensure you read all instructions and objectives before starting.
2. Create a new branch from `main` called `M2-Homework`
    1. `git checkout main` (ensure proper starting branch)
    2. `git pull origin main` (ensure history is up to date)
    3. `git checkout -b M2-Homework` (create and switch to branch)
3. Copy the template code from here: GitHub Repository - M2 Homework
    - It includes Problems 1-4 and a BaseClass. Put all into an M2 folder or similar (adjust `package` reference at the top if you chose a different folder name).
    - Immediately record to history
        - [ ] `git add .`
        - [ ] `git commit -m "adding M2 HW baseline files"`
        - [ ] `git push origin M2-Homework`
        - [ ] Create a Pull Request from `M2-Homework` to `main` and keep it open
4. Fill out the below worksheet
    - Each Problem requires the following as you work
        - [ ] Ensure there's a comment with your UCID, date, and brief summary of how the problem was solved
        - [ ] Initial outline/plan of how you'll solve it via comments (add/commit after this stage)
        - [ ] Code solution (add/commit periodically as needed)
5. Once finished, click "Submit and Export"
6. Locally add the generated PDF to a folder of your choosing inside your repository folder and move it to Github
    1. `git add .`
    2. `git commit -m "adding PDF"`
    3. `git push origin M2-Homework`
    4. On Github merge the pull request from `M2-Homework` to `main`
7. Upload the same PDF to Canvas
8. Sync Local

1. git checkout main
2. git pull origin main

Section #1: (2 pts.) Problem 1 - Odds

Progress: 100%

≡ Task #1 (2 pts.) - Edit the `printOdds` method to output odd values of the array

Progress: 100%

Part 1:

Progress: 100%

Details:
Two screenshots are expected

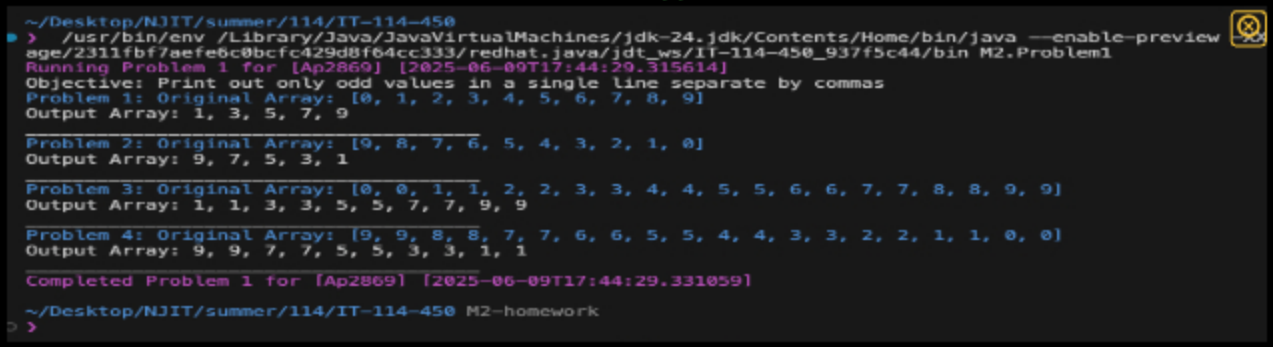
1. Snippet of relevant code showing solution (with ucid/date comment)
2. Full output of executing the program

```
// Start Solution Edits
// ap2869 -- June 9, 2025
// Loop through each array
// track the first odd number in the array.
// print the odd number of the array
// after odds of the first array is printed out go onto the next array.
// repeat

boolean one = true;
for (int num : arr) {
    if (num % 2 != 0) {
        if (!one) {
            System.out.print(", ");
        }
        System.out.print(num);
        one = false;
    }
}

// End Solution Edits
```

code snippet



```
~/Desktop/NJIT/summer/114/IT-114-450
❯ /usr/bin/env /Library/Java/JavaVirtualMachines/jdk-24.jdk/Contents/Home/bin/java --enable-preview -XX
age/2311fbf7aefe6c0bcfc429d8f64cc333/redhat.java/jdt_ws/IT-114-450_937f5c44/bin M2.Problem1
Running Problem 1 for [Ap2869] [2025-06-09T17:44:29.315614]
Objective: Print out only odd values in a single line separate by commas
Problem 1: Original Array: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
Output Array: 1, 3, 5, 7, 9
-----------------------------
Problem 2: Original Array: [9, 8, 7, 6, 5, 4, 3, 2, 1, 0]
Output Array: 9, 7, 5, 3, 1
-----------------------------
Problem 3: Original Array: [0, 0, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9]
Output Array: 1, 1, 3, 3, 5, 5, 7, 7, 9, 9
-----------------------------
Problem 4: Original Array: [9, 9, 8, 8, 7, 7, 6, 6, 5, 5, 4, 4, 3, 3, 2, 2, 1, 1, 0, 0]
Output Array: 9, 9, 7, 7, 5, 5, 3, 3, 1, 1
-----------------------------
Completed Problem 1 for [Ap2869] [2025-06-09T17:44:29.331059]

~/Desktop/NJIT/summer/114/IT-114-450 M2-homework
❯
```

output of the code .

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Part 2:

Progress: 100%

Details:
Direct link to the file in the homework related branch from Github (should end in `.java`)

URL #1
https://github.com/ap2869/IT-114-450-M2-homework/M2/Problem1.java

URL
https://github.com/ap2869/IT-114

IT-114-450/M2-Homework/M2/Problem1.java

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Part 3:

Progress: 100%

Details:
Briefly explain `how` the code solves the challenge (note: this isn't the same as `what` the code does)

Your Response:

the challanged for problem one was to prnint odd values in a single line seperated by commas. now the code that was given by me, looped through each array and seperated the ones that were even and output the numbers that were odd. thats how the code solved the challange.

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Section #2: (2 pts.) Problem 2 - Sum

Progress: 100%

Task #1 (2 pts.) - Edit the `sumValues` method to sum the array values and present them in a format with exactly two decimal places

Progress: 100%

Part 1:

Progress: 100%

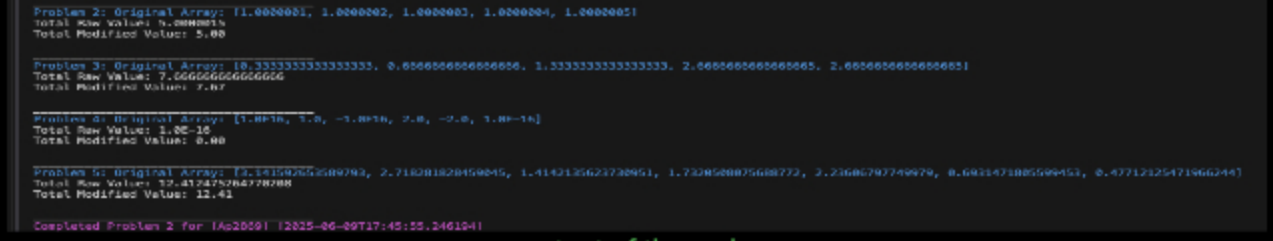
Details:
Two screenshots are expected

1. Snippet of relevant code showing solution (with ucid/date comment)
2. Full output of executing the program

```
// START Solution Edits----------------------------------------------------------------
// ap2069 - June 9, 2025

// Solve Challenge 1 here
// loop through each array
// add each number of the array to each other.
// print total
// repeat for other arrays

for (double number : arr) {
    total += number;
}

// Solve Challenge 2 here

// take the total from challange 1
// change "Object" to "String"
// format total to 2 decimal places

String modifiedTotal = String.format(format:"%.2f", total);


// End Solution Edits------------------------------------------------------------------
```

code snippet

```
~/Desktop/N3IT/summer/114/IT-114-450/M2-Homework
> cd /Users/sario/Desktop/N3IT/summer/114/IT-114-450 ; /usr/bin/env /Library/Java/JavaVirtualMachines/jdk-24.jdk/Contents/Home/bin/java --enable-preview -XX:+Sho
/Library/Application\ Support/Code/User/workspaceStorage/2311fbf7aefe6c0bcfc42ddd5b4cccdd/redhat.java/jdt_ws/IT-114-450_M2/bin M2.Problem2
Running Problem 2 for [Ap2069] [2025-06-09T17:45:55.227225]
Objective: Print out the total sum of the passed array
Problem 1: Original Array: [0.1, 0.2, 0.4, 0.4, 0.5, 0.6]
Total Raw Value: 2.1
Total Modified Value: 2.10
```



output of the code

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Part 2:

Progress: 100%

Details:
Direct link to the file in the homework related branch from Github (should end in `.java`)

URL #1
https://github.com/ap2869/IT-114-450/M2-homework/M2/Problem2.java

URL
https://github.com/ap2869/IT-114

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Part 3:

Progress: 100%

Details:
Briefly explain `how` the code solves the challenges (note: this isn't the same as `what` the code does)

Your Response:

solved by implementing a line of code that would get every number that was presented in the array and adding them together to get the result needed.

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Section #3: (2 pts.) Problem 3 - Conversion

Progress: 100%

Task #1 (2 pts.) - Edit the `bePositive` method to make each value positive, convert it back to the orginal data type, and set it to the proper slot in the `output` array

Progress: 100%

Part 1:

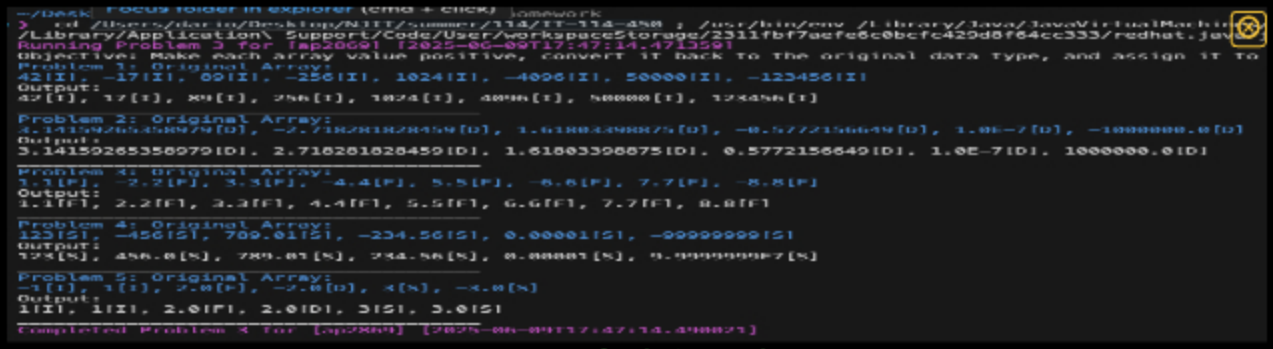
Progress: 100%

Details:

Two screenshots are expected

1. Snippet of relevant code showing solution (with ucid/date comment)
2. Full output of executing the program

code snippet



output of solution code

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Part 2:

Progress: 100%

Details:

Direct link to the file in the homework related branch from Github (should end in `.java`)

URL #1

https://github.com/ap2869/IT-114-450-M2-homework/M2/Problem3.java

URL

https://github.com/ap2869/IT-114

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Part 3:

Progress: 100%

Details:

Briefly explain `how` the code solves the challenges (note: this isn't the same as `what` the code does)

Your Response:

the code solved the chalanges by going through each array and and whether it was a number or a

string it went through each and retuned the numbers to positive if they already werent. then it assigned them to there proper spots ,

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Section #4: (2 pts.) Problem 4 - Strings

Progress: 81%

Task #1 (2 pts.) - Edit the `transformText` method to solve the challenges

Progress: 100%

Part 1:

Progress: 100%

Details:
Two screenshots are expected

1. Snippet of relevant code showing solution (with ucid/date comment)
2. Full output of executing the program

snippet of code

output of solution code

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Part 2:

Progress: 100%

Details:
Direct link to the file in the homework related branch from Github (should end in `.java`)

URL #1
https://github.com/ap2869/IT-114-450-M2-homework/M2/Problem4.java

URL
https://github.com/ap2869/IT-114

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Part 3:

Progress: 100%

Details:
Briefly explain `how` the code solves the challenges (note: this isn't the same as `what` the code does)

Your Response:

the code removed all the characters that were unnessary from the given arrays and sorted them the way it was asked to be sorted. later it refined the output even further and finally the code reassigned its out put to the nessary spot that its suppose to be in . sorting rearraning and sorting again.

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Task #2 (+ 1.11 pts.) - Edit the `transformText` method to solve the extra credit challenge (challenge 4)

Progress: 62%

Part 1:

Progress: 25%

Details:
Two screenshots are expected

1. Snippet of relevant code showing solution (with ucid/date comment)
2. Full output of executing the program

no extra credit done

Saved: 6/9/2025 7:13:50 PM

Part 2:

Progress: 100%

Details:
Briefly explain `how` the code solves the extra credit challenge (note: this isn't the same as `what` the code does)

Your Response:

no extra credit done

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Section #5: (2 pts.) Misc

Progress: 100%

Task #1 (0.67 pts.) - Github Details

Progress: 100%

Part 1:

Progress: 100%

Details:
From the Commits tab of the Pull Request screenshot the commit history Following minimum should be present

commit history of HW 2

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Part 2:

Progress: 100%

Details:
Include the link to the Pull Request (should end in `/pull/#`)

URL #1
https://github.com/ap2869/IT-114-450/pull/1

URL
https://github.com/ap2869/IT-114

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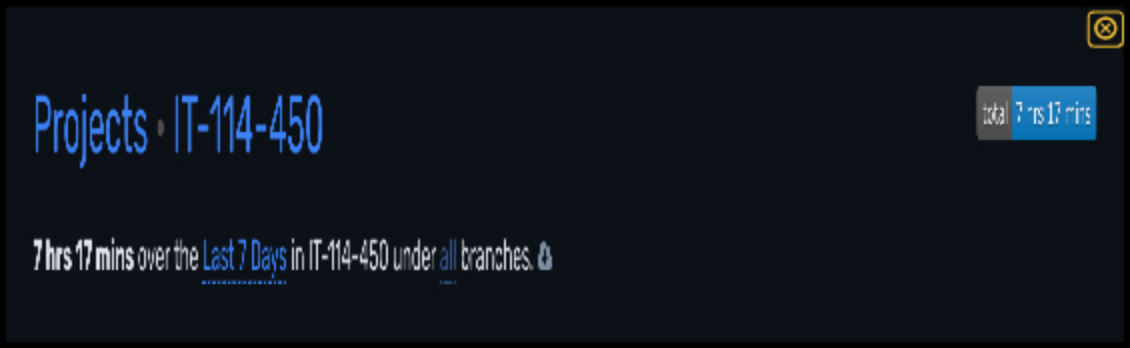
Task #2 (0.67 pts.) - WakaTime - Activity

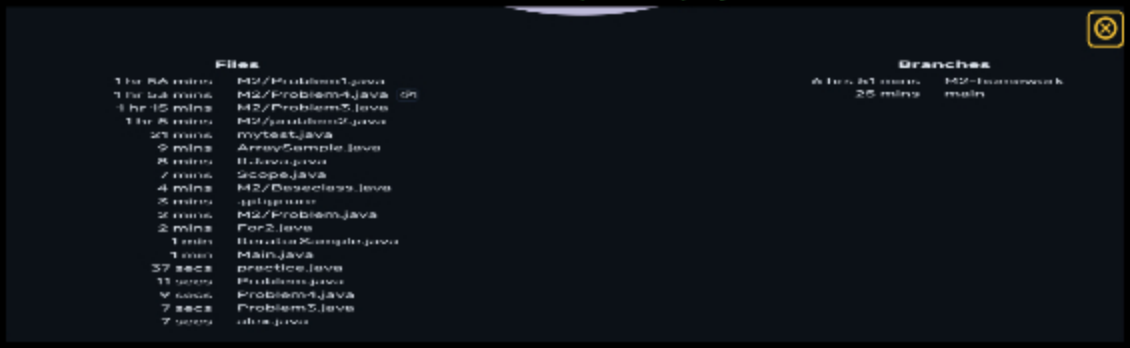
Progress: 100%

Details:

- Visit the WakaTime.com Dashboard
- Click `Projects` and find your repository
- Capture the overall time at the top that includes the repository name
- Capture the individual time at the bottom that includes the file time
- Note: The duration isn't relevant for the grade and the visual graphs aren't necessary



dashborad time spent on project



dashboard time files time

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Task #3 (0.67 pts.) - Reflection

Progress: 100%

Task #1 (0.33 pts.) - What did you learn?

Progress: 100%

Details:
Briefly answer the question (at least a few decent sentences)

Your Response:

being new to java and git i didnt learn the git commands very clear. at the beginning i was having problems but one i did reasearch and self studied git it was pretty easy and fun to learn. i know this will be a usefull tool futher in my school and possible career.

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Task #2 (0.33 pts.) - What was the easiest part of the assignment?

Progress: 100%

Details:
Briefly answer the question (at least a few decent sentences)

Your Response:

well no to sound funny or make a joke but the easiest part of the assignment was actually getting everything organized and handing things in. but that was the easiest part of the assignment.

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Task #3 (0.33 pts.) - What was the hardest part of the assignment?

Progress: 100%

Details:
Briefly answer the question (at least a few decent sentences)

Your Response:

the hardest part of the assignment was actually the beginning. java is pretty much new to new inna sense that its one of many languages that i am currently learning right now. to get everything set up was pretty difficult but ones i got the hang of it, it went pretty smoothly .

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