Submission Worksheet

IT202-452-M2024 - [IT202] Module 2 PHP Problems

Submissions:

Submission Selection

1 Submission [active] 5/29/2024 5:40:27 PM

Instructions

^ COLLAPSE ^

Overview video: https://youtu.be/Vvx_cfdLqqM

Guide:

1. Make sure you're in the dev branch locally and `git pull origin dev` any pending changes.
2. Make a new branch per the recommended branch name below (`git checkout -b ...`).
3. Grab the template code from https://gist.github.com/MattToegel/48b48377eaa1937c886b7840c449750a.
4. Create individual PHP files for each problem and save the files inside your `public_html` folder in a subfolder of your choice.
   1. If you don't have this folder yet, refer to the setup lessons (you'll need a few files for the deployment to work).
5. 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).
6. 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.
7. Fill in the items in the worksheet below (save as often as necessary).
8. Once finished, export the worksheet.
9. Add the output file to any location of your choice in your repository folder (i.e., a `Module2` folder).
10. Check that git sees it via `git status` .

11. 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).
12. Take the same output file and upload it to Canvas.

Branch name: M2-PHP-Problems

Tasks: 6 Points: 10.00

● Problem 1 (3 pts.)

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●

^COLLAPSE ^

Task #1 - Points: 1

Text: Problem 1 Evidence

ⓘ **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 heroku dev)
Live URL must be Herokue Prod

#1) Show the output from heroku dev (url must be visible)

Caption (required) ✓
Describe/highlight what's being shown
heroku dev problem 1

URL (required) ✓
URL must be Heroku prod
https://it202-ajz27-prod-be806f4746c9.herokuapp.com/M2/problem1.php

#2) Show the code solution (ucid/date as comment must be present) 👁

```
        //note: use the $arr variable to iterate over, don't directly touch $a1-$a4
        // TODO  add logic here to echo out only odd values
        //ajz27 5/29/2024
        foreach ($arr as $value) {
            if ($value % 2 != 0) {
                echo $value . " ";
            }
        } <- #13-17 foreach ($arr as $value)
        //end edits
```

Caption (required) ✓
Describe/highlight what's being shown
code for problem 1

Explanation (required) ✓
Explain in concise steps how this logically works

📄 EDIT RESPONSE

The foreach loop iterates over each element of the array. Inside of hte loop, the value is checked using the %2 ! = 0 condition. If the value is odd, it is echoed.

● **Problem 2** (3 pts.)
^COLLAPSE ^

● **Task #1** - Points: 1
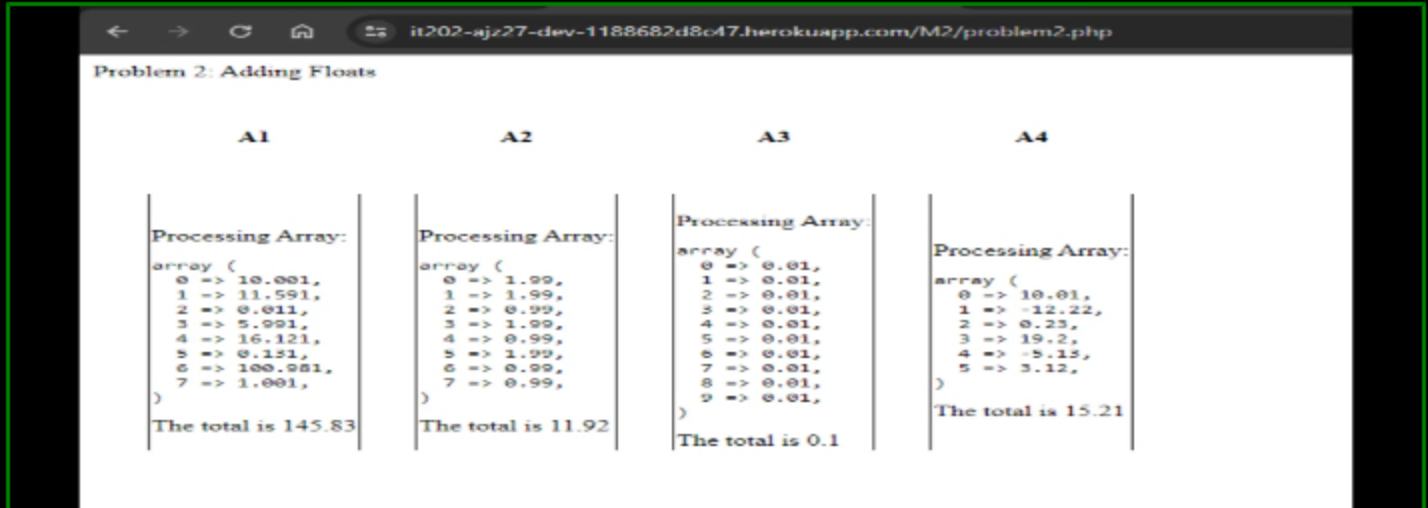^COLLAPSE ^
Text: Problem 2 Evidence

Details:
Only make edits where the template code mentions.

Solution should ensure that any passed in array will have the numerical values summed and rounded to two decimals (similar to currency)
Requires at least 2 screenshots (code + output from heroku dev)
Live URL must be Herokue Prod

#1) Show the output from heroku dev (url must be visible)

it202-ajz27-dev-1188682d8c47.herokuapp.com/M2/problem2.php

Problem 2: Adding Floats

A1

Processing Array:
```
array (
  0 => 10.001,
  1 => 11.591,
  2 => 0.011,
  3 => 5.991,
  4 => 16.121,
  5 => 0.151,
  6 => 100.981,
  7 => 1.001,
)
```
The total is 145.83

A2

Processing Array:
```
array (
  0 => 1.99,
  1 => 1.99,
  2 => 0.99,
  3 => 1.99,
  4 => 0.99,
  5 => 1.99,
  6 => 0.99,
  7 => 0.99,
)
```
The total is 11.92

A3

Processing Array:
```
array (
  0 => 0.01,
  1 => 0.01,
  2 => 0.01,
  3 => 0.01,
  4 => 0.01,
  5 => 0.01,
  6 => 0.01,
  7 => 0.01,
  8 => 0.01,
  9 => 0.01,
)
```
The total is 0.1

A4

Processing Array:
```
array (
  0 => 10.01,
  1 => -12.22,
  2 => 0.23,
  3 => 19.2,
  4 => -5.13,
  5 => 3.12,
)
```
The total is 15.21

Caption (required) ✓
Describe/highlight what's being shown
heroku dev problem 2

URL (required) ✓
URL must be Heroku prod
https://it202-ajz27-prod-be806f4746c9.herokuapp.com/M2/problem2.php

#2) Show the code solution (ucid/date as comment must be present)

```
//TODO do adding here
//TODO do rounding stuff here (round to two decimals i.e., 0.10, 0.01, 0.00
//ajz27 5/29/2024
//summing
foreach ($arr as $value) {
    $total += $value;
}
//rounding
$total = round($total, 2);
//end edits
echo "The total is $total";
```
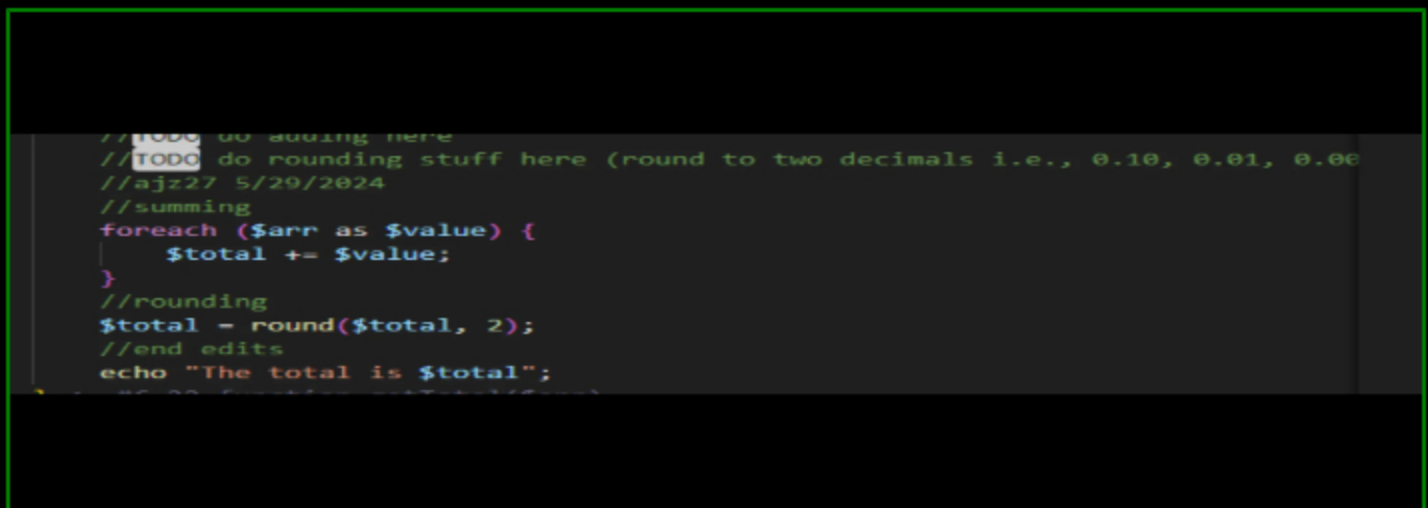
Caption (required) ✓

Describe/highlight what's being shown

code for problem 2

Explanation (required) ✓

Explain in concise steps how this logically works
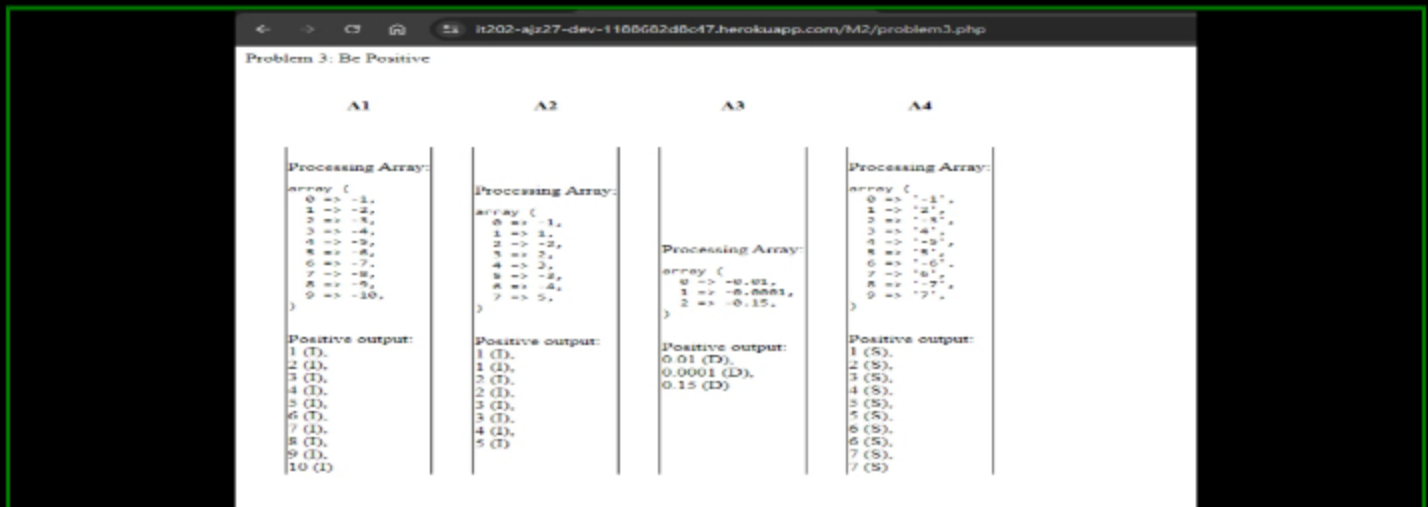
[📄 EDIT RESPONSE]

The foreach loop iterates over each element of the array. Each avalue iterated is added to $total. The round function is the nused to round $total to 2 decimal places.

● **Problem 3** (3 pts.)

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● **Task #1 - Points: 1**

^COLLAPSE ^

Text: Problem 3 Evidence

ⓘ **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.
Requires at least 2 screenshots (code + output from heroku dev)
Live URL must be Herokue Prod

#1) Show the output from heroku dev (url must be visible) 👁

Caption (required) ✓

Describe/highlight what's being shown

heroku dev problem 3

URL must be Heroku prod
https://it202-ajz27-prod-be806f4746c9.herokuapp.com/M2/problem3.php

#2) Show the code solution (ucid/date as comment must be present) 👁

```php
$output = [];
//start edits
//note: use the $arr variable, don't directly touch $a1-$a4
//TODO Take each value of the $arr, convert it to positive, and set it to t
//ajz27 5/29/2024
foreach ($arr as $index => $value) {
    if (is_string($value)) {
        $output[$index] = (string) abs((int) $value);
    } else {
        $output[$index] = abs($value);
    }
}
//end edits
```

Caption (required) ✓
Describe/highlight what's being shown
code for problem 3

Explanation (required) ✓
Explain in concise steps how this logically works

📄 EDIT RESPONSE

foreach iterates over each element of the array. Each element is then checked if its a string. If it is a string, its converted to an integer, its absolute value is taken, and then it is casted back to a string. If its not a string, the absolute value is taken.

● Reflection (1 pt.)
⌃COLLAPSE⌃

● ⌃COLLAPSE⌃
Task #1 - Points: 1
Text: Reflect on your experience

ℹ 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.

Response:

I learned how to iterate through an array, and print various data from that array in different wtays.

Task #2 - Points: 1

Text: Include the pull request link for this branch

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

URL #1

https://github.com/ajz27/ajz27-IT202-MC/pull/8

Task #3 - Points: 1

Text: Add Screenshot of Wakatime

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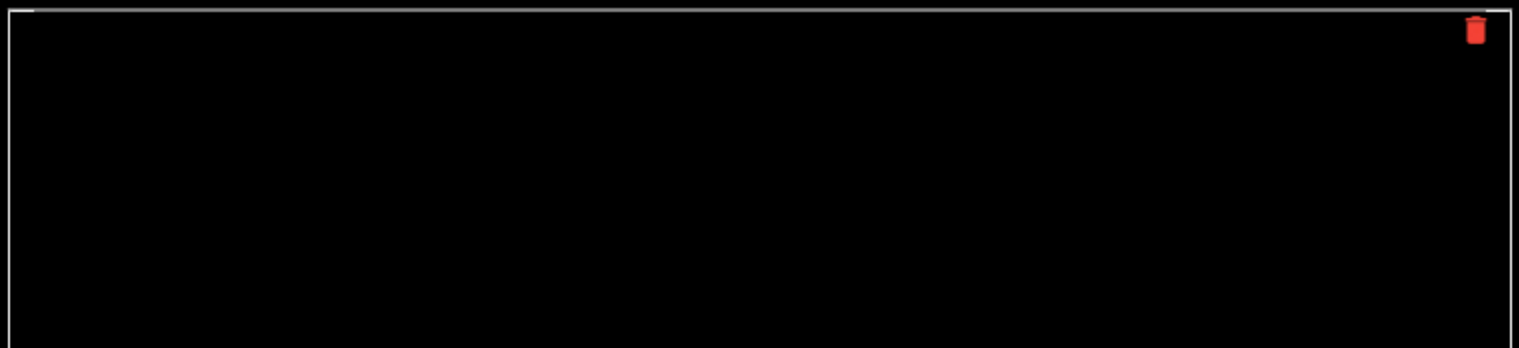Note: The duration of time isn't directly related to the grade, the goal is to just make sure time is being tracked

Task Screenshots:

Gallery Style: Large View

Small   Medium   Large

Files		Branches	
17 mins	public_html/M2/problem3.php	35 mins	M2-PHP-Problems
12 mins	public_html/M2/problem1.php	0 secs	M1-Git-Readings
5 mins	public_html/M2/problem2.php		
7 secs	.gitignore		
0 secs	lib/config.php		
0 secs	..a-local_IT202-452-M2024.pdf		

filetime

Projects • ajz27-IT202-MC

35 mins over the Last 7 Days in ajz27-IT202-MC under all branches.

Languages

- PHP – 35m (95.97%)
- Git Config – 6m (0.10%)
- Other – 3m (3.80%)

PHP

Editors

- VS Code – 35m (100.00%)

VS Code
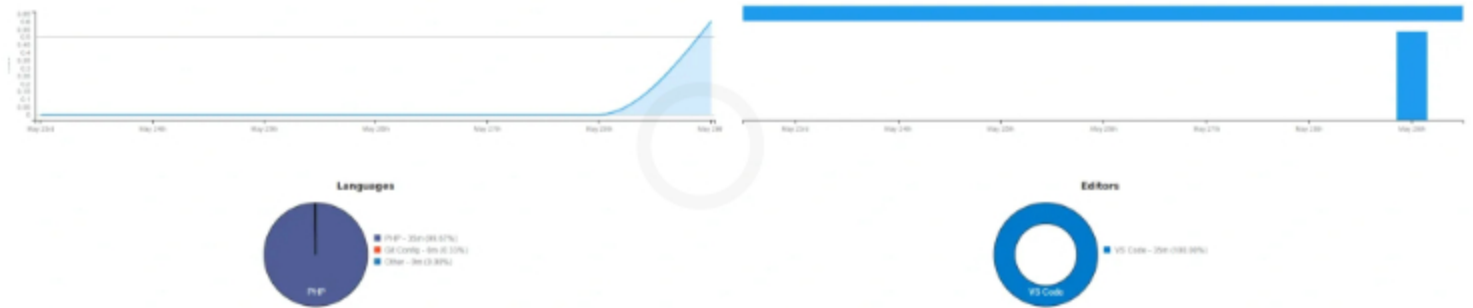
project

End of Assignment