Submission Worksheet

IT202-008-S2024 - [IT202] M2 PHP Problems

Submissions:

Submission Selection

1 Submission [active] 2/7/2024 11:14:42 AM

Instructions

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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. 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 <homework branch>` (see below and don't include the < >)
    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
    1. *This step is new since GitHub renders the PDF as an image the links aren't clickable so this method works better
    2. *Remember, the github process of these files are encouragement for your tracking of your progress

Tasks: 11 Points: 10.00

● **Problem 1** (3 pts.)

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Task #1 - Points: 1

Text: Screenshot of the Problem 1 Solved Code and Output

ⓘ **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)

Checklist   *The checkboxes are for your own tracking

#	Points	Details
☐ #1	1	Edits were done only in the processArray() function and original template code/comments remain untouched
☐ #2	1	Only $arr is used (no direct usage of $a1, $a2, $a3, $a4)
☐ #3	5	Only odd values output (not odd indexes/keys)
☐ #4	1	Includes code comments with student's ucid and date
☐ #5	1	Output of code includes heroku dev URL with student's ucid visible

Task Screenshots:

⬤ Large Gallery

Checklist Items (3)

#1 Edits were done only in the processArray() function and original template code/comments remain untouched

#2 Only $arr is used (no direct usage of $a1, $a2, $a3, $a4)

Checklist Items (2)

#3 Only odd values output (not odd indexes/keys)

#5 Output of code includes heroku dev URL with student's ucid visible

Screenshot of problem1 output on heroku dev

#4 includes code
comments with
student's ucid and
date

```
Screenshot of problem1 code on VSCode
```

Task #2 - Points: 1

Text: Explain your solution

Checklist		*The checkboxes are for your own tracking

#	Points	Details
☐ #1	1	Clearly explains how the code/logic solves the problem (mentions how the odd values are determined)

Response:

I created a for loop that iterates through each of the values in the array passed through the function. When the value is divided by two, if the remainder is 0, then the value is even. If the remainder is not 0, then the value is odd. For each value that is odd, I printed out onto the screen using "echo".

Task #3 - Points: 1

Text: Link to Problem 1 file from Production

ⓘ Details:

Recommended: Use the notes tool on the right to store the base URL for your heroku production URL

Paste the production URL below, append the path to the file from your dev URL.
Note: This link won't be active until you merge the pull request, so it's expected to not exist at the time of filling this task

URL #1

https://na569-prod-74aadc581478.herokuapp.com/M2_HW/problem1.php

Problem 2 (3 pts.)

Task #1 - Points: 1

Text: Screenshot of the Problem 2 Solved Code and Output

ⓘ 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)

Checklist

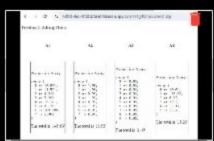| #	Points	Details
☐ #1	1	Edits were done only in the getTotal() function and original template code/comments remain untouched (unless noted)
☐ #2	1	Only $arr is used (no direct usage of $a1, $a2, $a3, $a4)
☐ #3	5	Passed in array's values get summed AND rounded to two decimal places like currency (i.e., 0.00, 0.10, 1.10)
☐ #4	1	Includes code comments with student's ucid and date
☐ #5	1	Output of code includes heroku dev URL with student's ucid visible

Task Screenshots:

⬤ Large Gallery

Checklist Items (3)

#1 Edits were done only in the getTotal() function and original template code/comments remain untouched (unless noted)

#2 Only $arr is used (no direct usage of $a1, $a2, $a3, $a4)

#4 Includes code comments with student's ucid and date

Problem2 code on VSCode

Checklist Items (2)

#3 Passed in array's values get summed AND rounded to two decimal places like currency (i.e., 0.00, 0.10, 1.10)

#5 Output of code includes heroku dev URL with student's ucid visible

Problem 2 output on heroku dev

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Task #2 - Points: 1

Text: Explain your solution

Checklist

#	Points	Details
☐	1	Clearly explains how the code/logic solves the problem (mentions both how the values get summed and

Response:

I created a for loop that iterates through the values of the array passed through the function. Each value gets added to the variable total, until it reaches the last element. Then, you have the total sum of all the values in the array. Then I use the number_format() built-in function to round total to two decimal places.

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Task #3 - Points: 1

Text: Link to Problem 2 file from Production

ⓘ Details:

Recommended: Use the notes tool on the right to store the base URL for your heroku production URL

Paste the production URL below, append the path to the file from your dev URL.
Note: This link won't be active until you merge the pull request, so it's expected to not exist at the time of filling this task

URL #1

https://na569-prod-74aadc581478.herokuapp.com/M2_HW/problem2.php

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Problem 3 (3 pts.)

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Task #1 - Points: 1

Text: Screenshot of the Problem 2 Solved Code and Output

ⓘ 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)

Checklist   *The checkboxes are for your own tracking

#	Points	Details
☐ #1	1	Edits were done only in the bePositive() function and original template code/comments remain untouched
☐ #2	1	Only $arr is used (no direct usage of $a1, $a2, $a3, $a4)
☐ #3	5	Passed in array's values will get converted to a positive version AND converted back to the original data type

#4	1	Includes code comments with student's ucid and date
#5	1	Output of code includes heroku dev URL with student's ucid visible

Task Screenshots:

Large Gallery

Checklist Items (4)

#1 Edits were done only in the bePositive() function and original template code/comments remain untouched

#2 Only $arr is used (no direct usage of $a1, $a2, $a3, $a4)

#3 Passed in array's values will get converted to a positive version AND converted back to the original data type

#4 Includes code comments with student's ucid and date

Problem 3 code on VSCode

Checklist Items (2)

#3 Passed in array's values will get converted to a positive version AND converted back to the original data type

#5 Output of code includes heroku dev URL with student's ucid visible

Problem 3 output on heroku dev

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Task #2 - Points: 1
Text: Explain your solution

Checklist   *The checkboxes are for your own tracking

#	Points	Details
#1	1	Clearly explains how the code/logic solves the problem (mentions both the conversion to positive and conversion to original data type)

Response:

I created a for loop that iterates through all the values of the array passed through the function. If the value is of type string (checked using the is_string() built-in function), I take the absolute value of the number, and then convert it back to string type by casting it. Then, I print out the results to the screen and use var_dump() to display the data type. If the value is of numerical type, (checked using the is_numeric() built-in function, I take the absolute value of the number and print out the results to the screen. Then, I use var_dump() to display the data type.

Task #3 - Points: 1
Text: Link to Problem 3 file from Production

ⓘ **Details:**

Recommended: Use the notes tool on the right to store the base URL for your heroku production URL

Paste the production URL below, append the path to the file from your dev URL.
Note: This link won't be active until you merge the pull request, so it's expected to note exist at the time of filling this task

URL #1

https://na569-prod-74aadc581478.herokuapp.com/M2_HW/problem3.php

Reflection (1 pt.)

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Task #1 - Points: 1
Text: Reflect on your experience

ⓘ **Details:**

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

Provide concrete details/examples.

Response:

> Talk about any issues you had, how you resolved them, and anything you learned during this process.
>
> Provide concrete details/examples.
>
> The first two problems were easy for me, and I experienced no issues writing the code. For the third problem, I had to look up and find built-in functions that could help me solve my problem. I also experienced some problems with understanding how to submit the homework correctly using Github and Heroku. I think I just need more practice using the commands and understanding the purposes behind the different platforms.

Task #2 - Points: 1
Text: Include the pull request link for this branch