Course: IT202-010-S2025

Assignment: IT202 PHP Problems

Student: Matt T. (mt85)

Status: Submitted | Worksheet Progress: 100.00%

Potential Grade: 10.10/10.00 (101.00%) Received Grade: 0.00/10.00 (0.00%)

Grading Link: https://learn.ethereallab.app/assignment/v3/IT202-010-S2025/it202-php-problems/grading/mt85

Instructions

- 1. Ensure you read all instructions and objectives before starting.
- 2. Create a new branch from dev called M2-Homework
 - 1. git checkout dev (ensure proper starting branch)
 - 2. git pull origin dev (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 base.php. Put all into an M2 folder or similar inside your public_html
 - Immediately record to history
 - □ git add public_html
 - □ git commit -m "adding M2 HW baseline files"
 - □ git push origin M2-Homework
 - ☐ Create a Pull Request from M2-Homework to dev and keep it open
- 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)
- 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

\ **D**

- 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 dev
- On Github create a pull request from dev to prod and immediately merge. (This will trigger the prod deploy to make the heroku prod links work)
- 7. Upload the same PDF to Canvas
- 8. Sync Local
 - 1. git checkout dev
 - 2. git pull origin dev

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

Task #1 (2 pts.) - Edit the `printOdds` function to output odd values

Combo Task:

Weight: 100%

Objective: Edit the `printOdds` function to output odd values of the array

Details:

- · Only make edits where noted via provided comments
- Challenge: Print odd values only in a single line separated by commas
- Step 1: sketch out plan using comments (include ucid and date)
- Step 2: Add/commit your outline of comments (required for full credit)
- Step 3: Add code to solve the problem (add/commit as needed)

Item:#1

Weight: 40%

Details:

Two screenshots are expected

- Snippet of relevant code showing solution (with ucid/date comment)
- 2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)

■ Image Prompt

```
function printOdds($arr, $arrayNumber)

{

// Only make edits between the designated ":

printArrayInfo($arr, $arrayNumber):

// Challenge: Print odd values only in a sin

// Step 1: sketch out plan using comments (

// Step 2: Add/commit your outline of comments

// Step 3: Add code to solve the problem (as

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// Step 3: Add code to solve the problem (as

// Code that iterates through an array

// code that thendles the necessary check

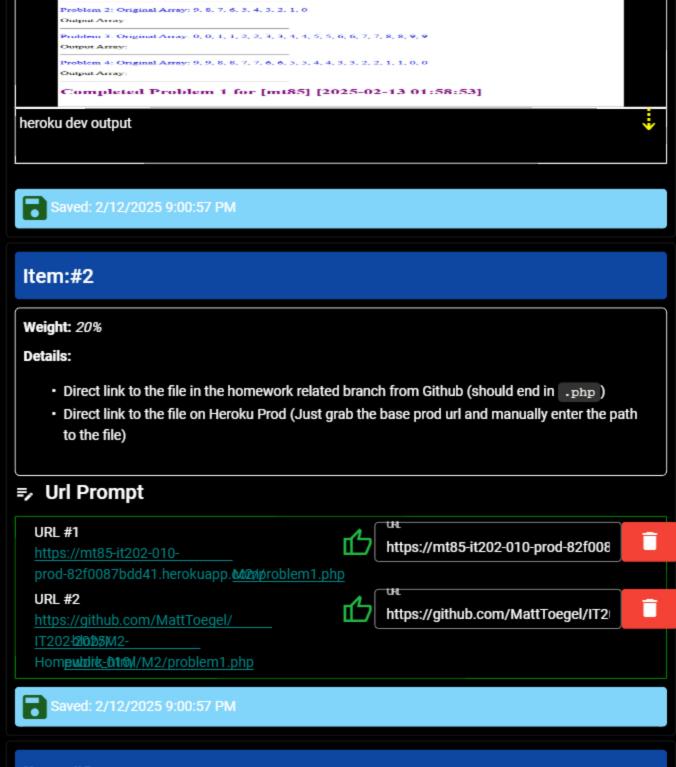
// code that prints the value

// End Solution Edits

// End Solution Edits
```

Showing solution





Item:#3

Weight: 40%

Details:

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

Text Prompt

Your Response:

I solved it with abc

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

Task #1 (2 pts.) - Edit the `sumValues` function to sum the array va

Combo Task:

Weight: 100%

Objective: Edit the `sumValues` function to sum the array values and present them in a format with exactly two decimal places

Details:

- Only make edits where noted via provided comments
- Challenge 1: Sum all the values of the passed in array and assign to total
- · Challenge 2: Have the sum be represented as a number with exactly 2 decimal
- · Example: 0.1 would be shown as 0.10, 1 would be shown as 1.00, etc
- Step 1: sketch out plan using comments (include ucid and date)
- Step 2: Add/commit your outline of comments (required for full credit)
- Step 3: Add code to solve the problem (add/commit as needed)

Item:#1

Weight: 40%

Details:

Two screenshots are expected

- Snippet of relevant code showing solution (with ucid/date comment)
- 2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)

Image Prompt

```
function sumvalues(Sarr. SarrayNumber)

// Unity make solid between the designated "Start" and "End" comments

// Unity make solid between the designated "Start" and "End" comments

// Unity make solid between the designated "Start" and "End" comments

// Challenge 1: Sum all the values of the passed in array and assign to "Total"

// Challenge 1: Sum all the values as a number with exactly 2 decimal

// Challenge 1: Sum all the values as a number with exactly 2 decimal

// Challenge 1: Sum all the sum be represented as a number with exactly 2 decimal

// Example: 1: Should be shown as 1.10. 1 would be shown as 1.10. at

// Example: 1: Should be shown as 1.10. at comments (include wild and date)

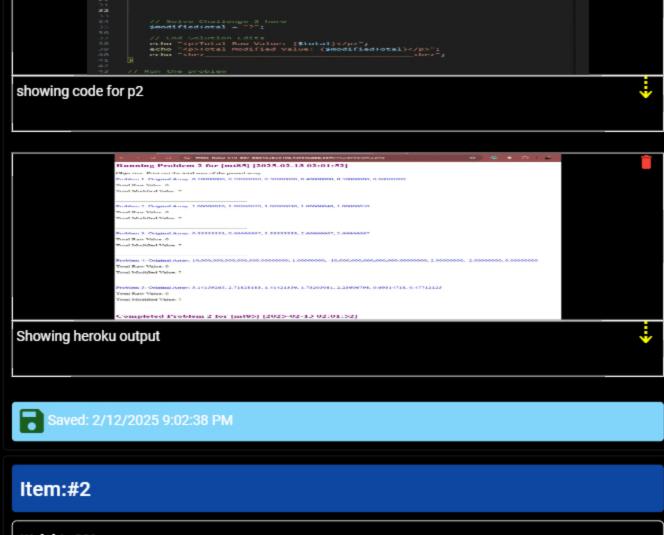
// Stop 1: Addition to outline of comments (required for full credit)

// Stop 5: Add timbe is solve the problem (add/timmit as morded)

// Stop 5: Add timbe is solve the problem (add/timmit as morded)

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```

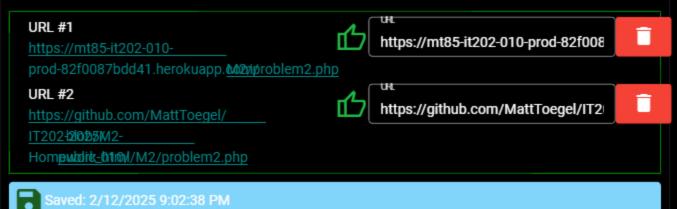


Weight: 20%

Details:

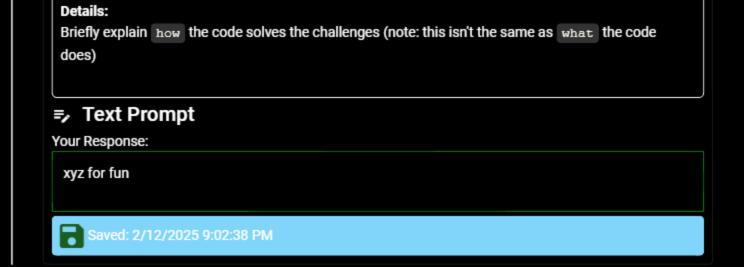
- · Direct link to the file in the homework related branch from Github (should end in .php)
- Direct link to the file on Heroku Prod (Just grab the base prod url and manually enter the path to the file)

■ Url Prompt



Item:#3

Weight: 40%



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

Task #1 (2 pts.) - Edit the `bePositive` function to make each value

Combo Task:

Weight: 100%

Objective: Edit the `bePositive` function to make each value positive, convert it back to the orginal data type, and set it to the proper slot in the `output` array

Details:

- · Only make edits where noted via provided comments
- · Challenge 1: Make each value positive
- Challenge 2: Convert the values back to their original data type and assign it to the proper slot of the output array
- Step 1: sketch out plan using comments (include ucid and date)
- Step 2: Add/commit your outline of comments (required for full credit)
- Step 3: Add code to solve the problem (add/commit as needed)

Item:#1

Weight: 40%

Details:

Two screenshots are expected

- Snippet of relevant code showing solution (with ucid/date comment)
- 2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)

Image Prompt

```
bePositive(Sarr, SarrayNumber)
// Only make edits between the designated
printArrayInfoMixed(Surr, SurrayNumber);
Youtput = array_fill(0. count(Yarr). null): // Initialize output array// Start Solution Edits
// End Solution Edits
echo "Output: ;
printOutputWithType(Soutput);
echo "<br/>
# Abra
```

showing code for p3



Showing heroku output



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Item:#2

Weight: 20%

Details:

- Direct link to the file in the homework related branch from Github (should end in .php)
- · Direct link to the file on Heroku Prod (Just grab the base prod url and manually enter the path to the file)

Url Prompt

URL #1

https://mt85-it202-010-

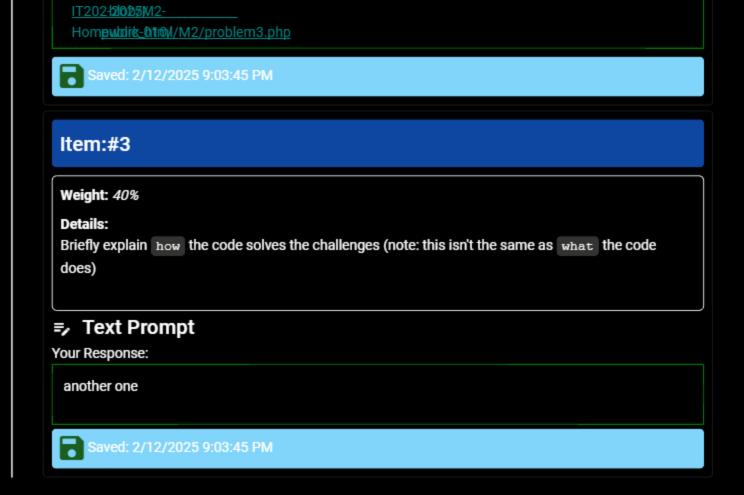
https://mt85-it202-010-prod-82f008

prod-82f0087bdd41.herokuapp.@@problem3.php

URL #2

https://github.com/MattToegel/





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

Task #1 (2 pts.) - Edit the `transformText` function to solve the cha

Combo Task:

Weight: 100%

Objective: Edit the `transformText` function to solve the challenges

Details:

- Only make edits where noted via provided comments
- Challenge 1: Remove non-alphanumeric characters except spaces
- · Challenge 2: Convert text to Title Case
- Challenge 3: Trim leading/trailing spaces and remove duplicate spaces
- Result 1-3: Assign final phrase to placeholderForModifiedPhrase
- Step 1: sketch out plan using comments (include ucid and date)

- Step 2: Add/commit your outline of comments (required for full credit)
- Step 3: Add code to solve the problem (add/commit as needed)

Item:#1

Weight: 40%

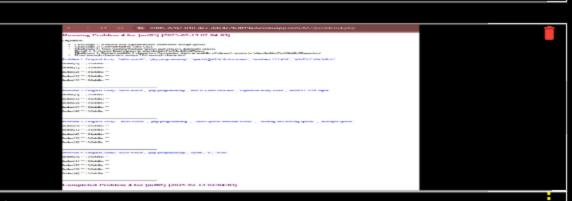
Details:

Two screenshots are expected

- Snippet of relevant code showing solution (with ucid/date comment)
- 2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)

Image Prompt

Showing code for p4



Showing heroku output



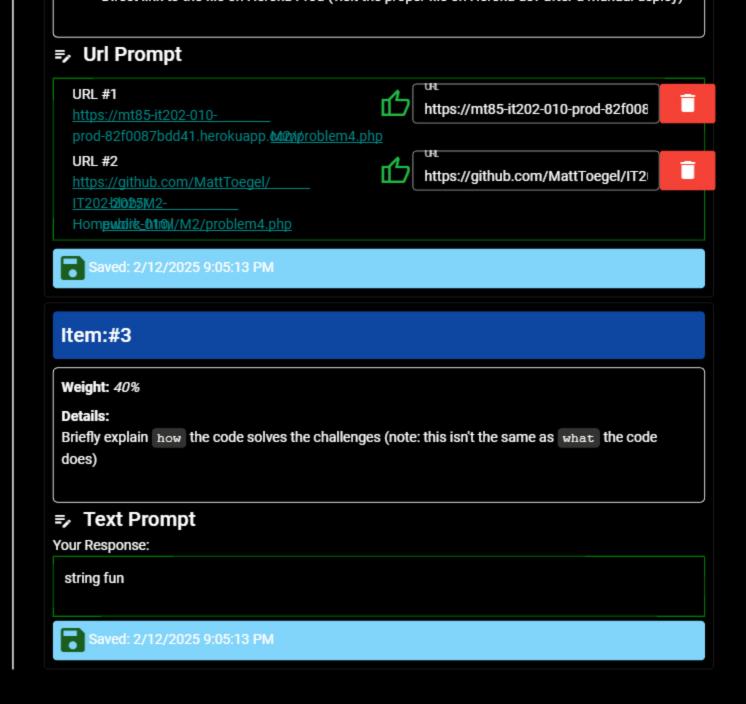
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Item:#2

Weight: 20%

Details:

- Direct link to the file in the homework related branch from Github (should end in .php)
- Direct link to the file on Heroku Prod (visit the proper file on Heroku dev after a manual deploy).



Task #2 (+ 0.90 pts.) - Edit the `transformText` function to solve the

Combo Task:

Weight: 45%

Objective: Edit the `transformText` function to solve the extra credit challenge (challenge 4)

Details:

- · Only make edits where noted via provided comments
- Challenge 4: Extract middle 3 characters (beginning starts at middle of phrase)
- Assign result to 'placeholderForMiddleCharacters'
- If not enough characters assign "Not enough characters"

- · Step 1: sketch out plan using comments (include ucid and date)
- · Step 2: Add/commit your outline of comments (required for full credit)
- · Step 3: Add code to solve the problem (add/commit as needed)

Item:#1

Weight: 40%

Details:

Two screenshots are expected

- 1. Snippet of relevant code showing solution (with ucid/date comment)
- 2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)

Image Prompt



Missing Caption





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Item:#3

Weight: 50%

Details:

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

= Text Prompt

Your Response:

Missing Response



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Section #5: (2 pts.) Misc

Task #1 (0.67 pts.) - Github Details

Combo Task:

Weight: 33.33%

Objective: Github Details

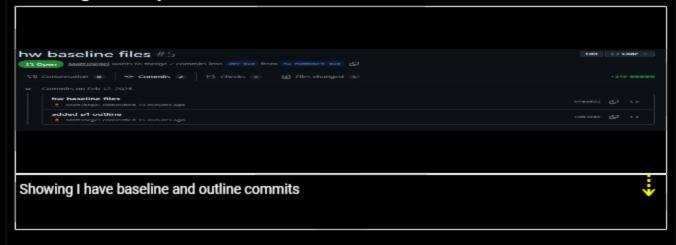
Item:#1

Weight: 60%

Details:

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

Image Prompt



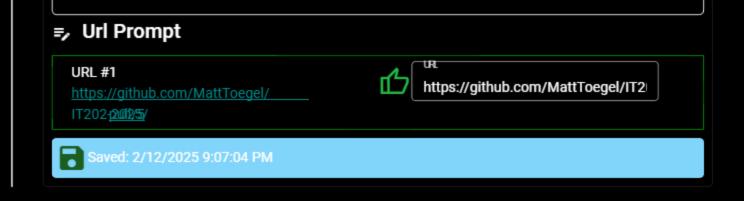
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Item:#2

Weight: 40%

Details:

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



Task #2 (0.00 / 0.67 pts.) - WakaTime - Activity

Weight: 33.33%

Objective: WakaTime - Activity

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

Image Prompt





Task #3 (0.00 / 0.67 pts.) - Reflection

Sub-Tasks:

Task #1 (0.00 / 0.33 pts.) - What did you learn?

Weight: 33.33%

Objective: What did you learn?

Details:

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

Text Prompt

Your Response:

I learned abc



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Task #2 (0.00 / 0.33 pts.) - What was the easiest part of the a

Weight: 33.33%

Objective: What was the easiest part of the assignment?

Details:

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

Text Prompt

Your Response:

P4 was easiest because I am familiar with string manipulation

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Task #3 (0.00 / 0.33 pts.) - What was the hardest part of the

Weight: 33.33%

Objective: What was the hardest part of the assignment?

Details:

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

Text Prompt

Your Response:

P3 was the hardest because loosely typed languages can be tricky



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