

PHP: Expressions & Operators

Difficulty: Beginner

Time to Complete: 2h+

Outcomes

Students will be able to understand, implement or create the following:

- Proper PHP syntax
- Send data to a web browser
- PHP Comments
- PHP Variables
- PHP Variable Types
- PHP Operators
- PHP Expressions

Description

In this assignment you will create your first PHP file.

Steps

1. Open a browser and navigate to [Nitrous.io](https://nitrous.io).
2. Click Getting Started under the Free account and fill out the form.
3. Click the Create New Account button.
4. You should receive an email to verify the account once you have done that, login to nitrous.
5. Once you are logged in click the New Container button.
6. Choose the PHP (LAMP) container stack template. Name it NTM3532. It will take a while to create the container.
7. Once the container has been created click the Open IDE button.
8. Right click on the www folder and choose New Folder from the menu.
9. Name the new folder as02.
10. Right click on the new as02 folder and choose New File from the menu. Name the new file index.php.
11. Add a valid HTML document structure to index.php. This will include `<html>`, `<body>`, and `</body>`.
12. Embed a PHP script block into the body by adding the PHP open and close tags.
13. In the PHP script block you just created add 5 variables. Name them \$var1 through \$var5. Assign each variable the result of an arithmetic expression. For example `3 + 4`. You must use all arithmetic operators `+`, `-`, `/`, `*`, and `%`. Print the results using `echo`.
14. Add 2 variable to the PHP script block that will contain strings. One should contain the value "Welcome " and the other should contain "to NTM3532!!". Print the variables together using the concatenation operator and `echo`.

15. Next using the comparison operators <, >, <=, >=, ==, compare \$var1 to the other 4 \$var variables and itself. Print the result using echo.
 16. Using echo print the date according to PHP.
 17. Add at least 5 comments inside the PHP script block.
 18. False values do not print using echo. Still print them. True is represented as 1. See this example: [Assignment 02 Example](#).
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Submission

Please share your Nitrous container with me. In the dashboard of your container click on the Collaborators tab and then enter my email: thomasbell@weber.edu. Then click Add. To submit this assignment download the assignment folder from the Nitrous IDE. Zip that folder up and then upload the zip file to Canvas using the "submit assignment" button at your right.

Rubric

Criteria	Points
Nitrous Setup	20
HTML Structure	5
5 Numeric Variable	30
2 String Variables	20
Printed Concatenated Strings	10
Printed Comparisons	15
Printed Date	10
5 Comments	15
Total	125

Printing

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