

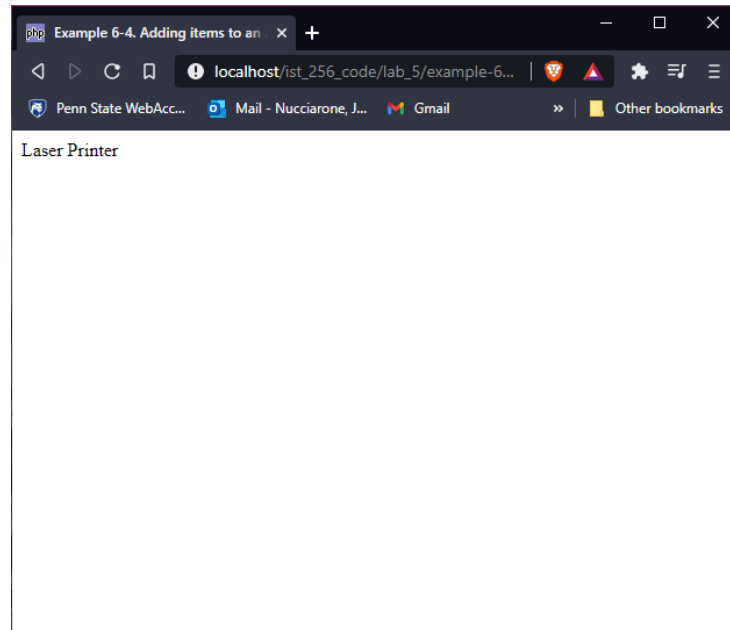
Jason C. Nucciarone

2/22/2021

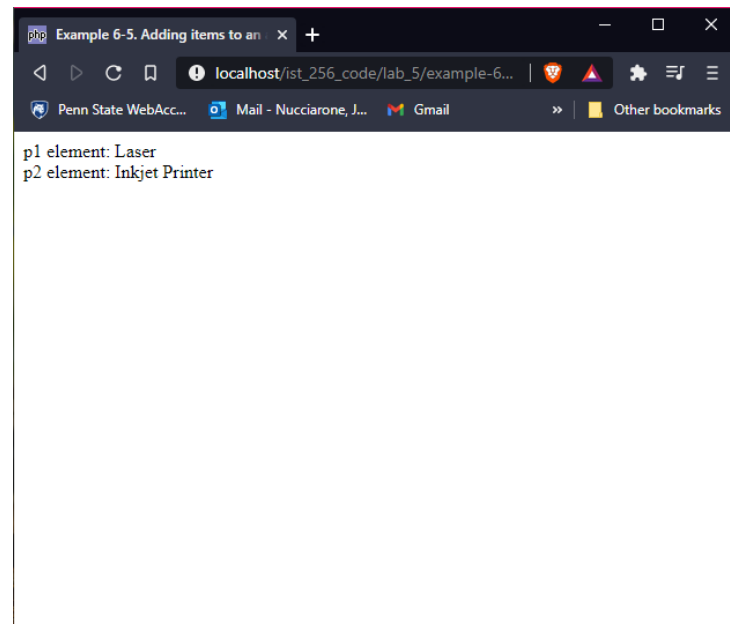
L05: Lab – PHP, Arrays

The 10 examples:

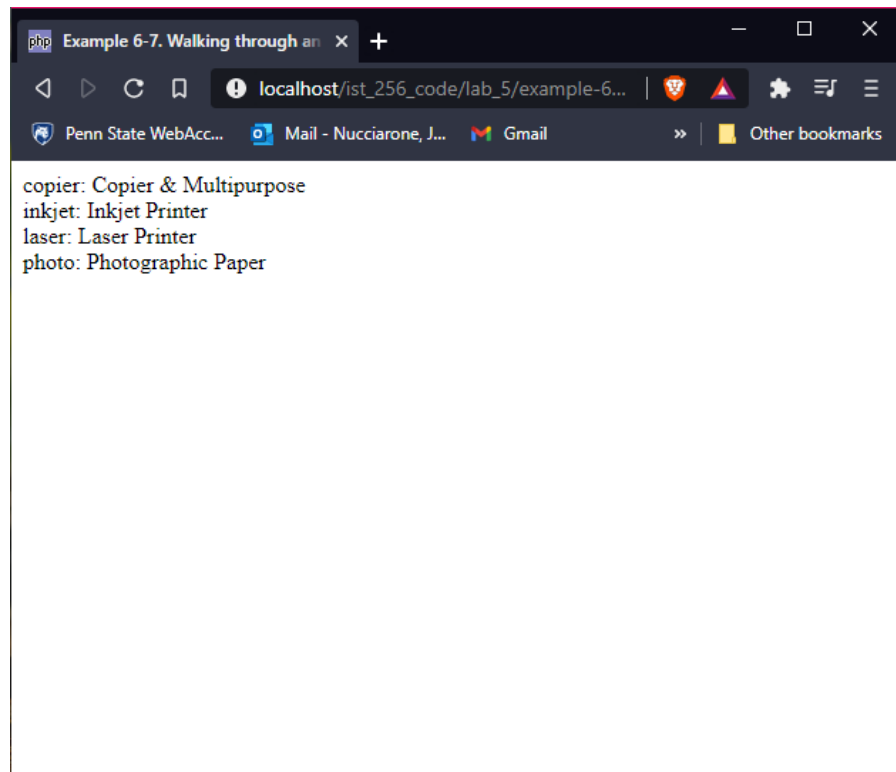
Example 6-4. Adding items to an associative array and retrieving them:



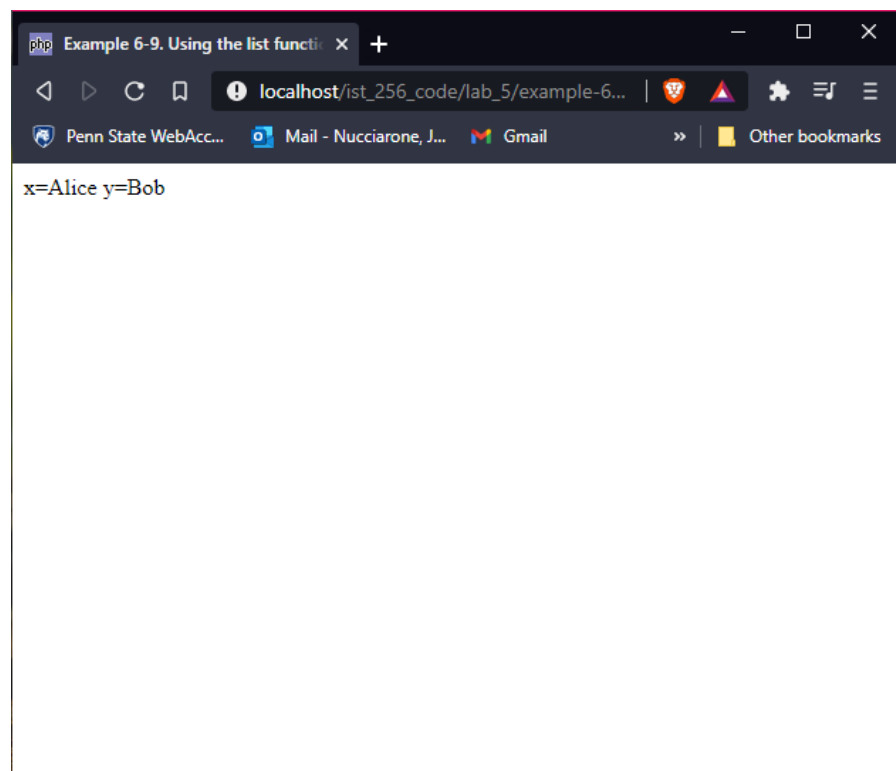
Example 6-5. Adding items to an array using the array keyword:



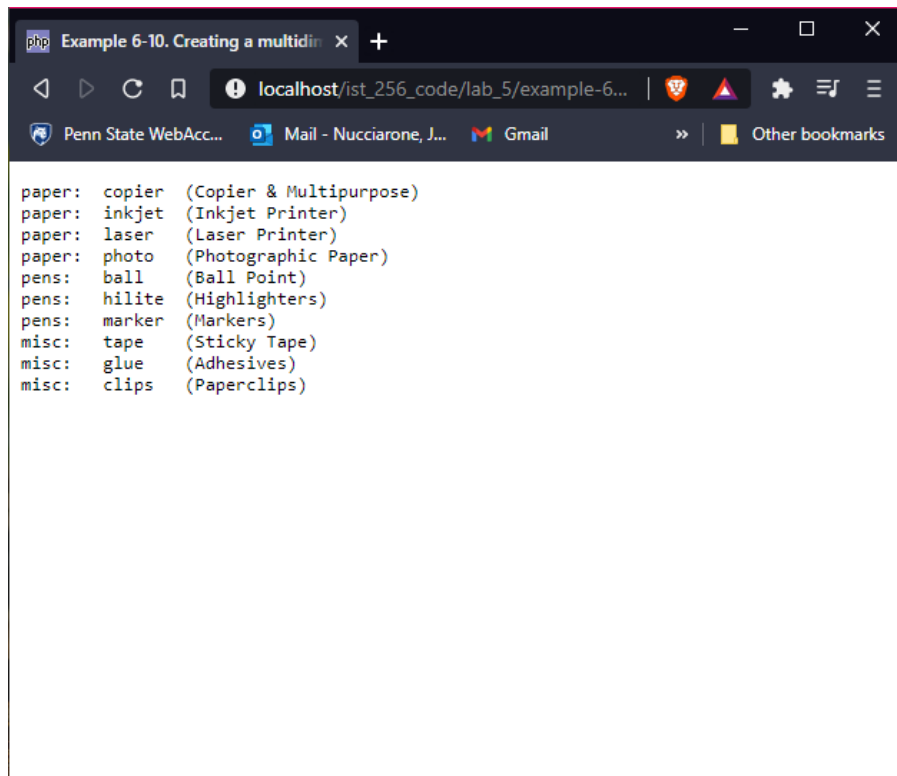
Example 6-7. Walking through an associative array using foreach...as:



Example 6-9. Using the list function:



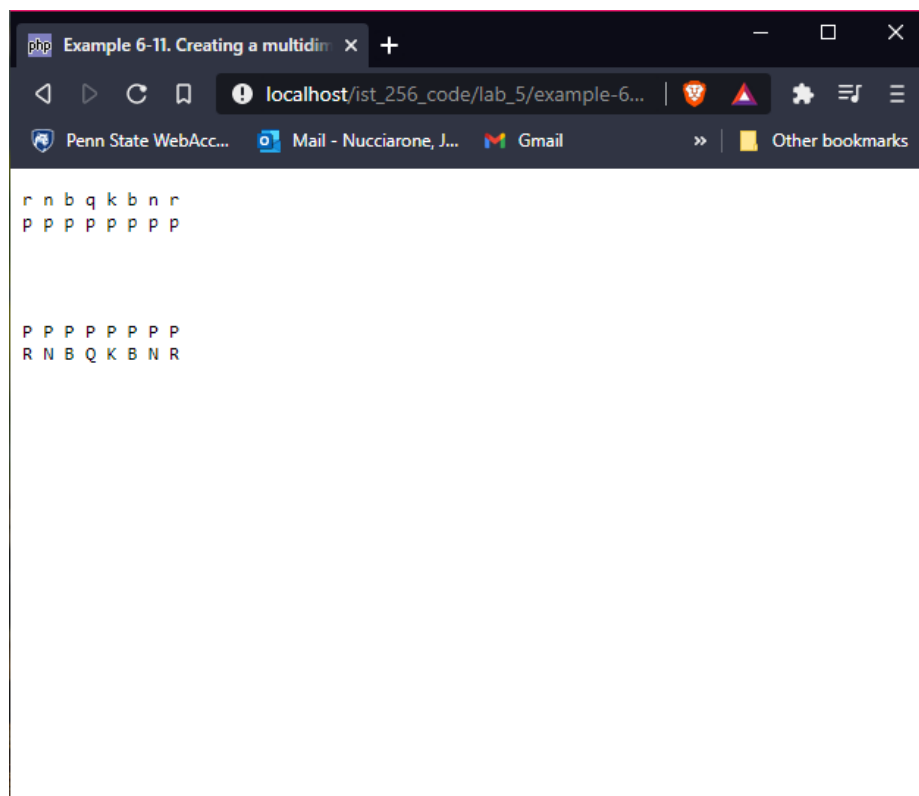
Example 6-10. Creating a multidimensional associative array:



The screenshot shows a web browser window with the title "Example 6-10. Creating a multidimensional associative array". The address bar shows the URL "localhost/ist_256_code/lab_5/example-6...". The browser's bookmark bar includes "Penn State WebAcc...", "Mail - Nucciarone, J...", and "Gmail". The main content area displays the output of a PHP script, which is a multidimensional associative array. The output is as follows:

```
paper: copier (Copier & Multipurpose)
paper: inkjet (Inkjet Printer)
paper: laser (Laser Printer)
paper: photo (Photographic Paper)
pens: ball (Ball Point)
pens: highlighter (Highlighters)
pens: marker (Markers)
misc: tape (Sticky Tape)
misc: glue (Adhesives)
misc: clips (Paperclips)
```

Example 6-11. Creating a multidimensional numeric array:

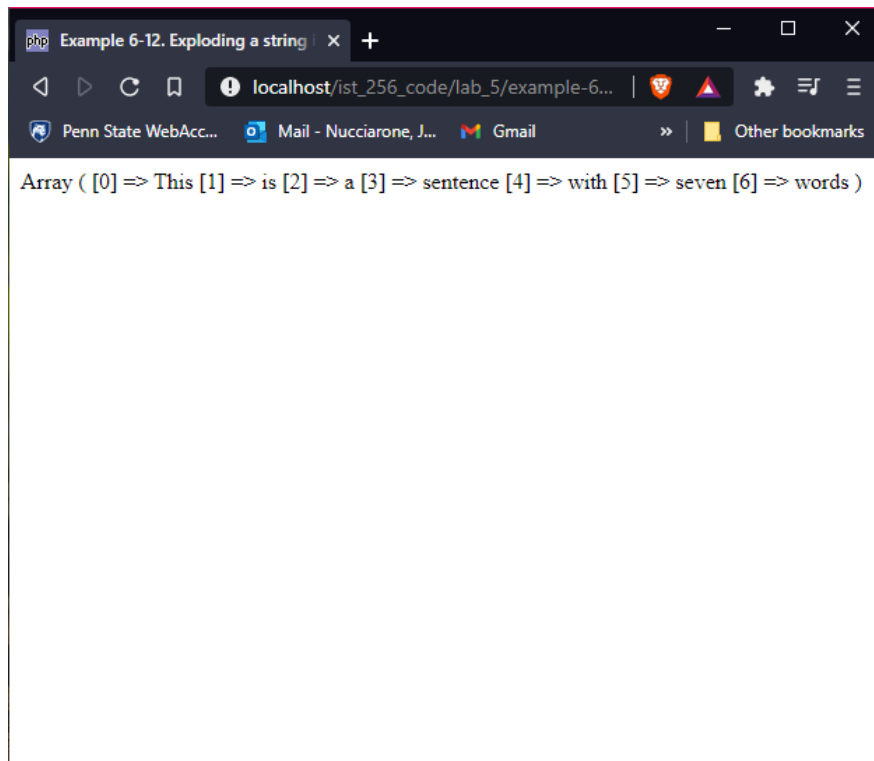


The screenshot shows a web browser window with the title "Example 6-11. Creating a multidimensional numeric array". The address bar shows the URL "localhost/ist_256_code/lab_5/example-6...". The browser's bookmark bar includes "Penn State WebAcc...", "Mail - Nucciarone, J...", and "Gmail". The main content area displays the output of a PHP script, which is a multidimensional numeric array. The output is as follows:

```
r n b q k b n r
p p p p p p p p

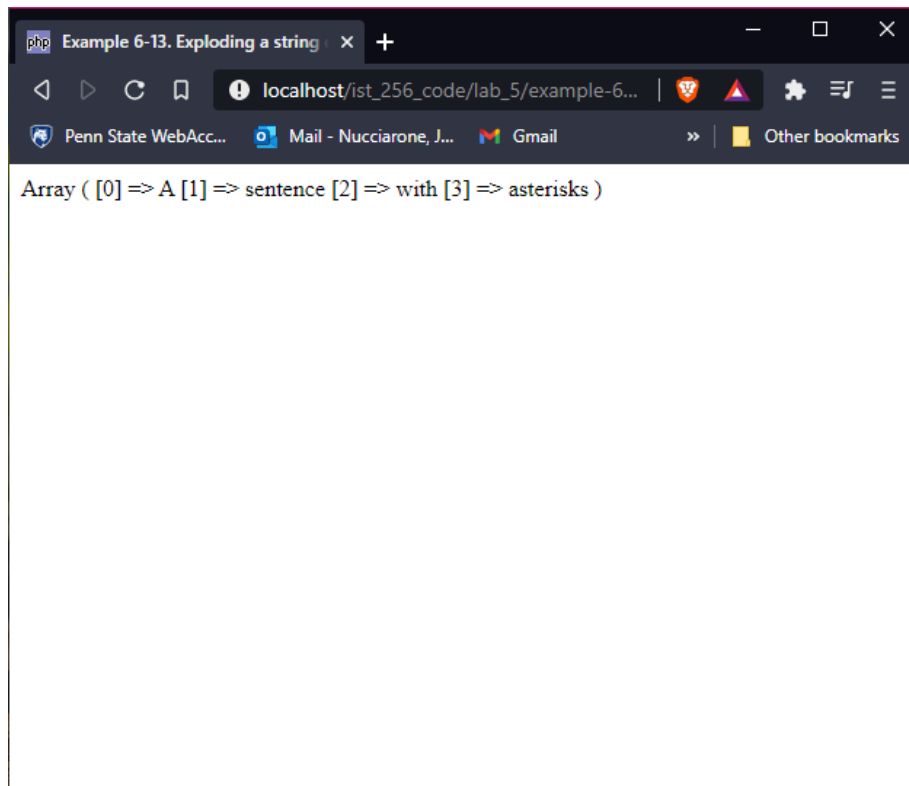
P P P P P P P P
R N B Q K B N R
```

Example 6-12. Exploding a string into an array using spaces:



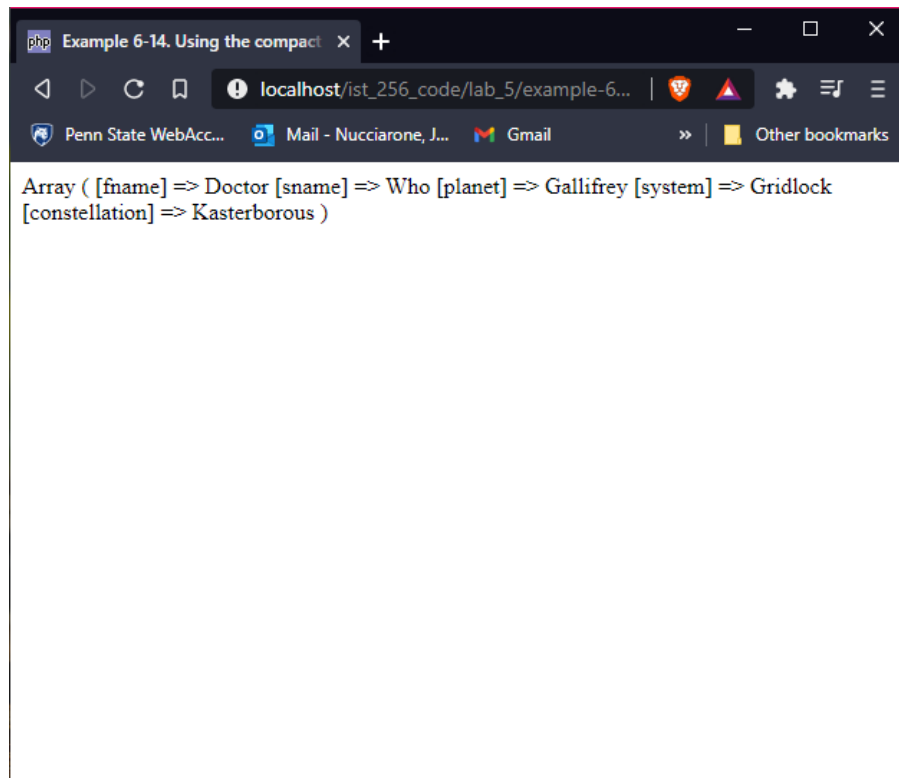
The screenshot shows a web browser window with the title "Example 6-12. Exploding a string". The address bar shows the URL "localhost/ist_256_code/lab_5/example-6...". The browser's bookmark bar includes "Penn State WebAcc...", "Mail - Nucciarone, J...", and "Gmail". The main content area displays the output of a PHP script: "Array ([0] => This [1] => is [2] => a [3] => sentence [4] => with [5] => seven [6] => words)".

Example 6-13. Exploding a string delimited with *** into an array:

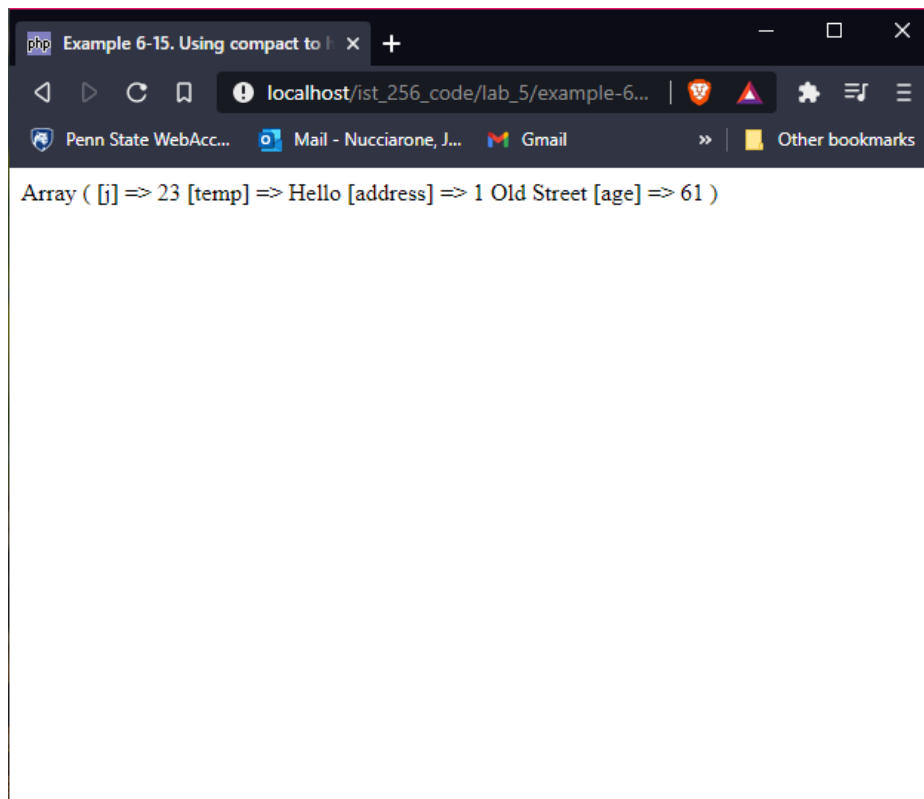


The screenshot shows a web browser window with the title "Example 6-13. Exploding a string". The address bar shows the URL "localhost/ist_256_code/lab_5/example-6...". The browser's bookmark bar includes "Penn State WebAcc...", "Mail - Nucciarone, J...", and "Gmail". The main content area displays the output of a PHP script: "Array ([0] => A [1] => sentence [2] => with [3] => asterisks)".

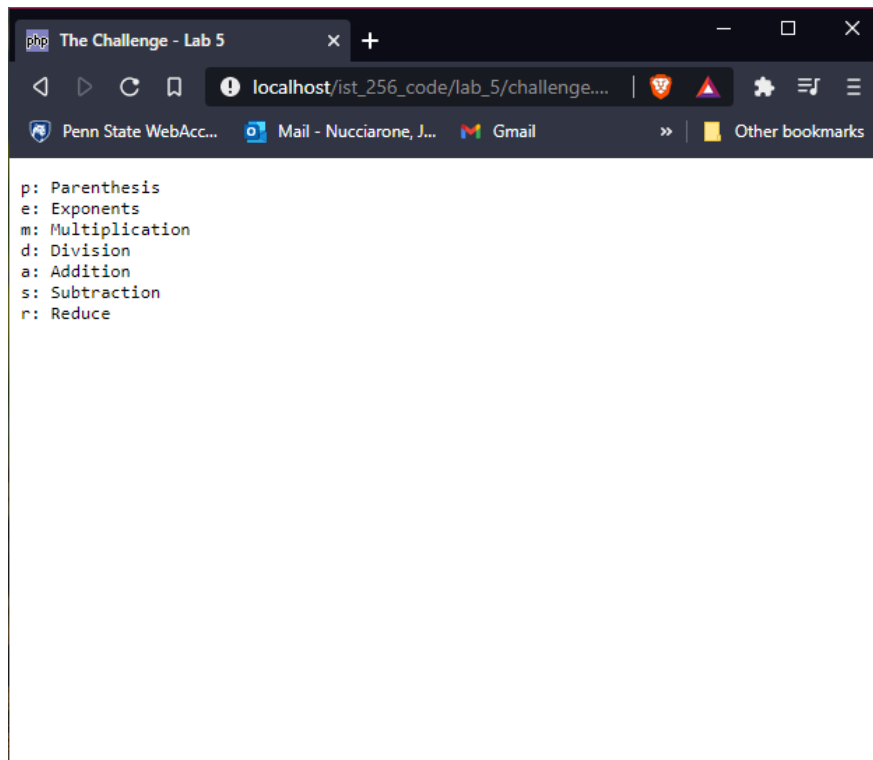
Example 6-14. Using the compact function:



Example 6-15. Using compact to help with debugging:



The Challenge:



The Code:

To get the sauce for this lab, you can browse through the lab 5 directory that I created on my GitHub repository for this lab: https://github.com/NucciTheBoss/ist_256_code/tree/main/lab_5.

Personal Notes:

Being honest, I did not run into any issues when getting these samples to run. While I would not call myself a master programmer, I have encountered enough problems in my earlier coding adventures that I can easily wrap my head around any error/warning messages that may pop up when I am writing my PHP code. I was successful on my first try for all the examples. I only had minor grammatical errors that I would need to go back and correct (spelling a word in an echo statement wrong). As for anything that stood out to me during this lab, I was interested to see similarities between PHP and Python. String manipulation is pretty similar to each other, but with python it's typically *some_string.split(" ")* and in PHP it's *\$temp = explode(" ", some_string)*;. Looking at it from a top-level point of view, Python is more shorthand while PHP is more verbose. I'm excited to see if there are any more similarities between the two languages as we go forward.