

Name: **Ian Jude J. Timbungco**

Schedule: **10:30-1:30 MONDAY**

Subject: **Software Design Lab**

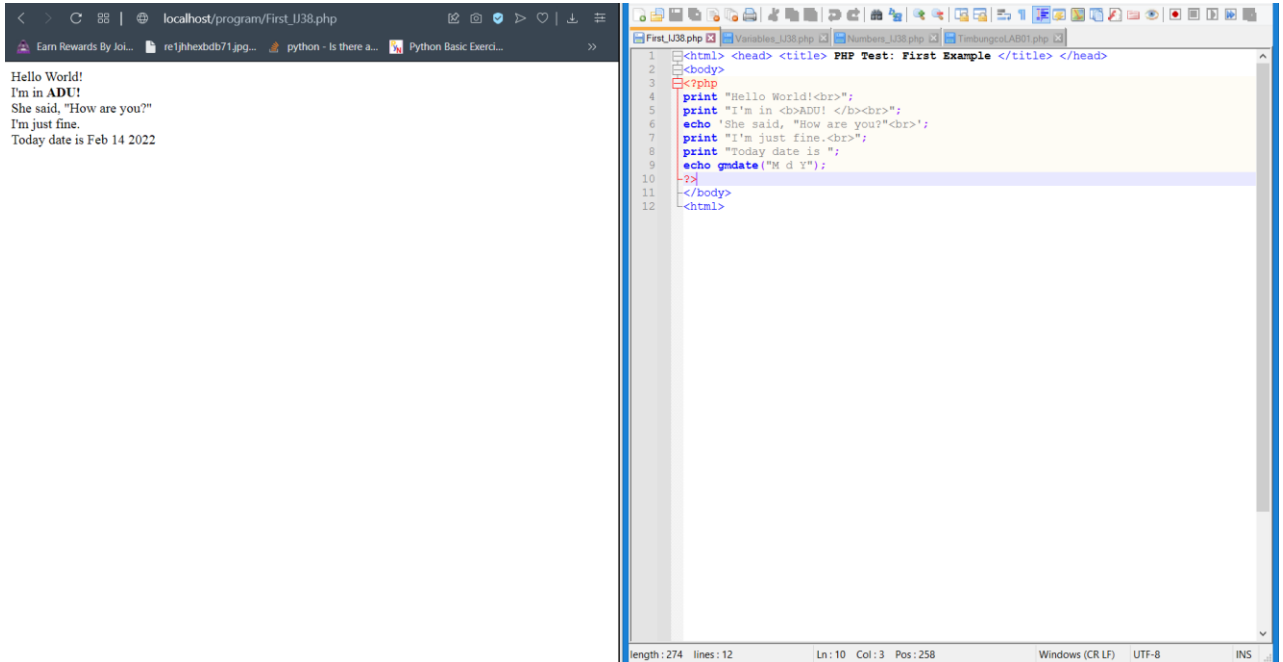
Date Submitted: **February 14, 2022**

Sample Exercises:

1) First

Answer:

The source code and the result.



The image shows a side-by-side comparison of a web browser's output and the corresponding PHP source code. The browser window on the left displays the output of the script, which includes a greeting, a name, a question, an answer, and the current date. The code editor on the right shows the PHP code that generates this output, using `print` and `echo` statements to output text and the `gmdate` function to output the current date in a specific format.

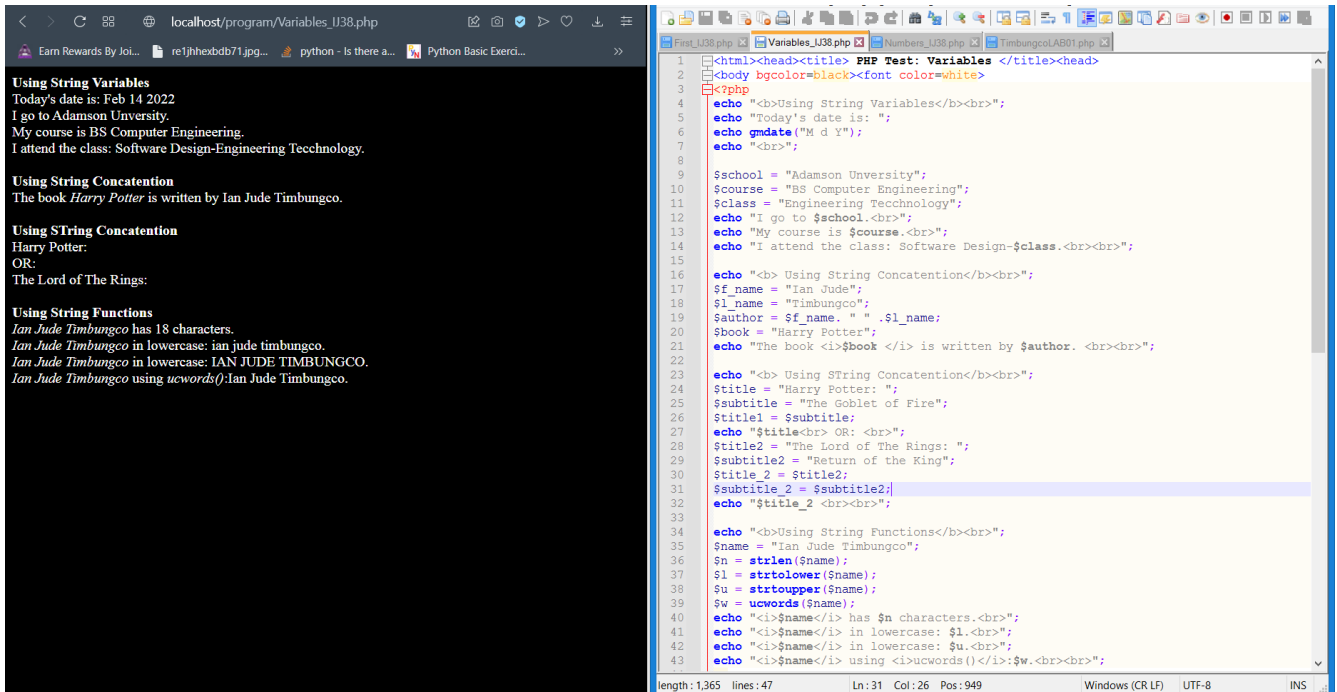
```
1 <html> <head> <title> PHP Test: First Example </title> </head>
2 <body>
3 <?php
4     print "Hello World!\n";
5     print "I'm in <b>ADU! </b>\n";
6     echo 'She said, "How are you?"\n';
7     print "I'm just fine.\n";
8     print "Today date is ";
9     echo gmdate("M d Y");
10
11 </body>
12 </html>
```

length: 274 lines: 12 Ln: 10 Col: 3 Pos: 258 Windows (CR LF) UTF-8 INS

2) Variables

Answer:

The source code and the result.



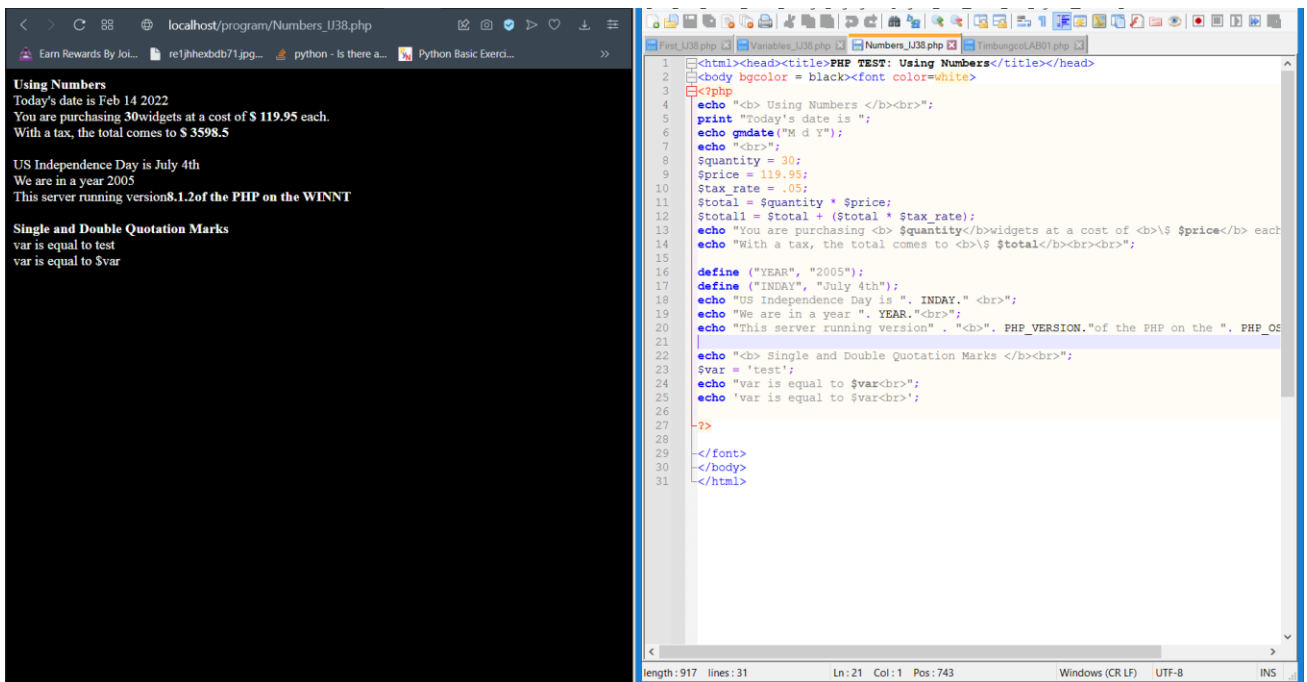
The screenshot displays a web browser on the left and a code editor on the right. The browser shows the output of a PHP script titled 'Variables_U38.php'. The output includes sections for 'Using String Variables', 'Using String Concatenation', and 'Using String Functions'. The code editor shows the source code of the same script, which uses PHP variables to store and display information about a user named Ian Jude Timbungco, including their school, course, and book preferences. The code also demonstrates string concatenation and functions like strlen, strtolower, strtoupper, and ucwords.

```
1 <html><head><title> PHP Test: Variables </title></head>
2 <body bgcolor=black><font color=white>
3 <?php
4     echo "<b>Using String Variables</b><br>";
5     echo "Today's date is: ";
6     echo gmdate("M d Y");
7     echo "<br>";
8
9     $school = "Adamson University";
10    $course = "BS Computer Engineering";
11    $class = "Engineering Technology";
12    echo "I go to $school.<br>";
13    echo "My course is $course.<br>";
14    echo "I attend the class: Software Design-$class.<br><br>";
15
16    echo "<b> Using String Concatenation</b><br>";
17    $f_name = "Ian Jude";
18    $l_name = "Timbungco";
19    $author = $f_name. " ". $l_name;
20    $book = "Harry Potter";
21    echo "The book <i>$book </i> is written by $author. <br><br>";
22
23    echo "<b> Using String Concatenation</b><br>";
24    $title = "Harry Potter: ";
25    $subtitle = "The Goblet of Fire";
26    $title1 = $subtitle;
27    echo "$title<br> OR: <br>";
28    $title2 = "The Lord of The Rings: ";
29    $subtitle2 = "Return of the King";
30    $title_2 = $title2;
31    $subtitle_2 = $subtitle2;
32    echo "$title_2 <br><br>";
33
34    echo "<b>Using String Functions</b><br>";
35    $name = "Ian Jude Timbungco";
36    $n = strlen($name);
37    $l = strtolower($name);
38    $u = strtoupper($name);
39    $w = ucwords($name);
40    echo "<i>$name</i> has $n characters.<br>";
41    echo "<i>$name</i> in lowercase: $l.<br>";
42    echo "<i>$name</i> in lowercase: $u.<br>";
43    echo "<i>$name</i> using <i>ucwords()</i>:<i>$w.<br><br>";
44
45
46
47
length: 1,365 lines: 47 Ln: 31 Col: 26 Pos: 949 Windows (CR LF) UTF-8 INS
```

3) Numbers

Answer:

The source code and the result.



The screenshot displays a web browser on the left and a code editor on the right. The browser shows the output of a PHP script titled 'Numbers_U38.php'. The output includes sections for 'Using Numbers' and 'Single and Double Quotation Marks'. The code editor shows the source code of the same script, which uses PHP variables to store and display numerical information, such as the cost of widgets and the total cost including tax. The code also demonstrates the use of single and double quotation marks for string interpolation.

```
1 <html><head><title>PHP TEST: Using Numbers</title></head>
2 <body bgcolor= black><font color=white>
3 <?php
4     echo "<b> Using Numbers </b><br>";
5     print "Today's date is ";
6     echo gmdate("M d Y");
7     echo "<br>";
8     $quantity = 30;
9     $price = 119.95;
10    $tax_rate = .05;
11    $total = $quantity * $price;
12    $total1 = $total + ($total * $tax_rate);
13    echo "You are purchasing <b> $quantity</b> widgets at a cost of <b>\$ $price</b> each";
14    echo "With a tax, the total comes to <b>\$ $total</b><br><br>";
15
16    define ("YEAR", "2005");
17    define ("INDEPENDENCE", "July 4th");
18    echo "US Independence Day is ". INDEPENDENCE. " <br>";
19    echo "We are in a year ". YEAR."<br>";
20    echo "This server running version" . "<b>". PHP_VERSION."</b>of the PHP on the ". PHP_OS;
21
22    echo "<b> Single and Double Quotation Marks </b><br>";
23    $var = 'test';
24    echo "var is equal to $var<br>";
25    echo "var is equal to $var<br>";
26
27
28
29
30
31
length: 917 lines: 31 Ln: 21 Col: 1 Pos: 743 Windows (CR LF) UTF-8 INS
```

Exercises:

localhost/program/TimbungcoLAB01.php

Exercise A:
Date today is: Feb 14, 2022
Time right now is: 04:08 PM

Exercise B:
Name: Ian Jude Timbungco

Circle
If the radius is 23 the area of the circle is: 1661.902513749
If the radius is 23 the circumference of the circle is: 144.51326206513
If the radius is 23 the diameter of the circle is: 46

Triangle
If base is 10 and height is 12 the area of Triangle is: 60

Celsius to Fahrenheit
50 Fahrenheit to Celsius is 10 °C

Peso to Dollar conversion
Conversion Rate: \$1 = 54.25 Pesos
1500 pesos in USD is \$27.649769585253

```
1 <html><head><title> Timbungco_Lab01 </title></head>
2 <body>
3 <?php
4
5     echo "Exercise A: <br>";
6     date_default_timezone_set('Asia/Manila');
7     $time = date("h:i A");
8     $date = gmdate("M d, Y");
9     echo "Date today is: $date<br>";
10    echo "Time right now is: $time<br><br>";
11
12    echo "Exercise B:<br>";
13    $name = "Ian Jude Timbungco";
14    $u_name = strtoupper($name);
15    echo "<b>Name: </b> $name<br><br>";
16    echo "<b> Circle </b><br>";
17    $area_circle = pi() * 23 * 23;
18    $circumference = 2 * pi() * 23;
19    $diameter = 2 * 23;
20    echo "<i>If the radius is 23 the area of the circle is:</i> $area_circle<br>";
21    echo "<i>If the radius is 23 the circumference of the circle is:</i>: $circumference";
22    echo "<i>If the radius is 23 the diameter of the circle is:</i> $diameter<br><br>";
23
24    echo "<b> Triangle </b><br>";
25    $area_triangle = 0.5 * 10 * 12;
26    echo "<i>If base is 10 and height is 12 the area of Triangle is: </i> $area_triangle";
27
28    echo "<b> Celsius to Fahrenheit </b><br>";
29    $celsius = 5/9 * (50 - 32);
30    echo "50 Fahrenheit to Celsius is $celsius <degC><br><br>";
31
32    echo "<b>Peso to Dollar conversion</b><br>";
33    echo "<b>Conversion Rate:</b> \$1 = 54.25 Pesos<br>";
34    $conversion = 1500 / 54.25;
35    echo "1500 pesos in USD is \$<$conversion";
36
37
38 -?>
39 </body>
40 </html>
41
```

length: 1,262 lines: 41 Ln: 41 Col: 1 Pos: 1,263 Windows (CR LF) UTF-8 INS