(Applications Development and Emerging Technologies)

PRE-SUMMATIVE ASSESSMENT

1

PHP OUTPUT AND VARIABLE FAMILARIZATION

Student Name / Group Name:	Raine Angeline B. Zaldivar	
Members (if Group):	**Name**	**Role**
Section:	TW26	
Professor:	Mr. Reynaldo Merced Jr.	

I.   **PROGRAM OUTCOME/S (PO) ADDRESSED BY THE LABORATORY EXERCISE**

- Design, implement and evaluate computer-based systems or applications to meet desired needs and requirements.

II. COURSE LEARNING OUTCOME/S (CLO) ADDRESSED BY THE LABORATORY EXERCISE

- Understand and apply best practices and standards in the development of website.

III. INTENDED LEARNING OUTCOME/S (ILO) OF THE LABORATORY EXERCISE

At the end of this exercise, students must be able to:

- Familiarize various Web Architecture, tools that used in PHP
- The basic understanding before using PHP
- Familiarize in environment of web developing
- Use of comments, variables and Echo / Print

IV. BACKGROUND INFORMATION

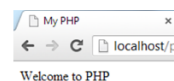*An introduction to PHP web programming*

Running PHP Scripts

```
<!-- welcome.php -->
<html>
<head>
<title>My PHP</title>
</head>
<body>

<?php
    echo 'Welcome to PHP';
?>

</body>
<html>
```

All php scripts must enclosed with
<?php … ?> (standard tag)
<? … ?> (short open tag)
<script language="php">
….
</script> (script tag)
<% … %> (asp style tag)

OUTPUT:

My PHP
← → C localhost/ph
Welcome to PHP

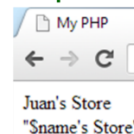*An introduction to PHP web programming*

Using ' ' (pair single quote), " " (pair double quotes) and . (dot character) PHP

Example:
```
<?php
    $name = "Juan";
    echo "$name's Store"."<br/>";
    echo '"$name\'s Store"'."<br/>";
    //statements below will produced errors
    //echo "displaying double quote" ";
    //echo "dispalying single quote ' ";
?>
```

Output:

My PHP
← → C
Juan's Store
"$name's Store"

Example

Write some text to the output:

```php
<?php
echo "Hello world!";
?>
```

Definition and Usage

The echo() function outputs one or more strings.

Note: The echo() function is not actually a function, so you are not required to use parentheses with it. However, if you want to pass more than one parameter to echo(), using parentheses will generate a parse error.

Tip: The echo() function is slightly faster than print().

Tip: The echo() function also has a shortcut syntax. Prior to PHP 5.4.0, this syntax only works with the short_open_tag configuration setting enabled.

Syntax
echo(*strings*)

Parameter Values
Parameter	Description
strings	Required. One or more strings to be sent to the output

Technical Details
Return Value:	No value is returned
PHP Version:	4+

More Examples

Write the value of the string variable ($str) to the output:

```php
<?php
$str = "Hello world!";
echo $str;
?>
```

Join two string variables together:

```php
<?php
$str1="Hello world!";
$str2="What a nice day!";
echo $str1 . " " . $str2;
?>
```

Write the value of an array to the output:

```php
<?php
$age=array("Peter"=>"35");
echo "Peter is " . $age['Peter'] . " years old.";
?>
```

Write some text to the output:

```php
<?php
echo "This text
spans multiple
lines.";
?>
```

How to use multiple parameters:

```php
<?php
echo 'This ','string ','was ','made ','with multiple parameters.';
?>
```

Difference of single and double quotes. Single quotes will print the variable name, not the value:

```php
<?php
$color = "red";
echo "Roses are $color";
echo "<br>";
echo 'Roses are $color';
?>
```

PHP Variables
Creating (Declaring) PHP Variables

In PHP, a variable starts with the $ sign, followed by the name of the variable:

Example

```php
<?php
$txt = "Hello world!";
$x = 5;
$y = 10.5;
?>
```

After the execution of the statements above, the variable $txt will hold the value Hello world!, the variable $x will hold the value 5, and the variable $y will hold the value 10.5.

Note: When you assign a text value to a variable, put quotes around the value.

Note: Unlike other programming languages, PHP has no command for declaring a variable. It is created the moment you first assign a value to it.

Think of variables as containers for storing data.

PHP Variables

A variable can have a short name (like x and y) or a more descriptive name (age, carname, total_volume).

Rules for PHP variables:

- A variable starts with the $ sign, followed by the name of the variable
- A variable name must start with a letter or the underscore character
- A variable name cannot start with a number
- A variable name can only contain alpha-numeric characters and underscores (A-z, 0-9, and _)
- Variable names are case-sensitive ($age and $AGE are two different variables)

Remember that PHP variable names are case-sensitive!

Output Variables

The PHP `echo` statement is often used to output data to the screen.
The following example will show how to output text and a variable:

Example

```php
<?php
$txt = "W3Schools.com";
echo "I love $txt!";
?>
```

The following example will output the sum of two variables:

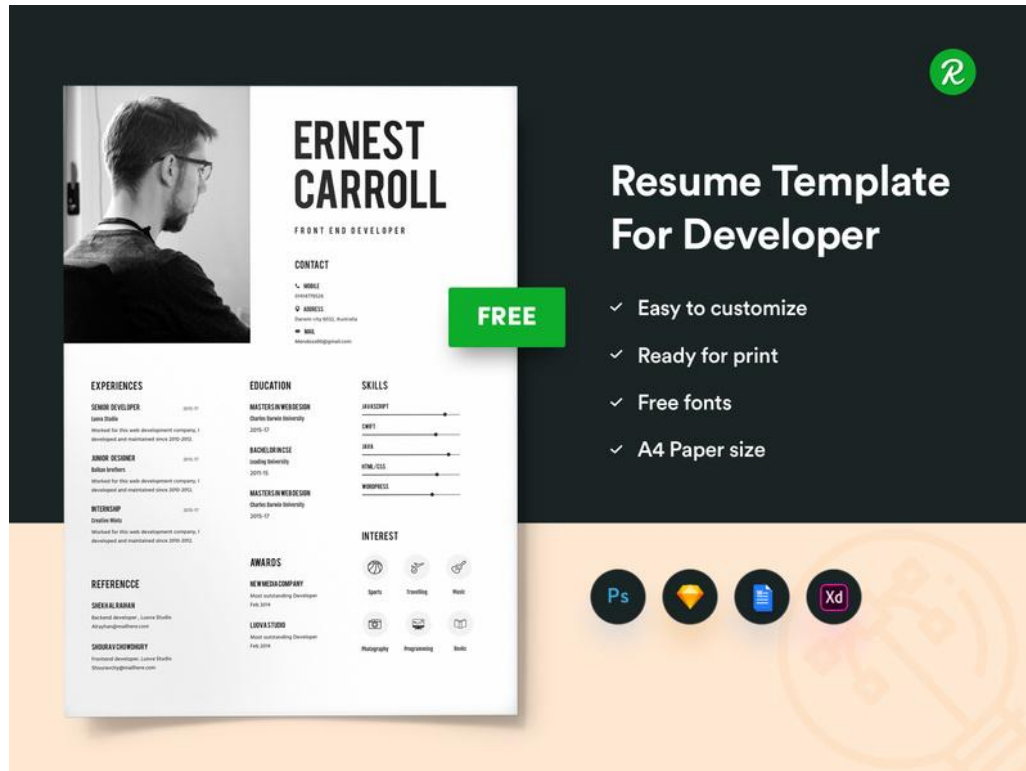## Example

```php
<?php
$x = 5;
$y = 4;
echo $x + $y;
?>
```

V. GRADING SYSTEM / RUBRIC (please see separate sheet)

VI. LABORATORY ACTIVITY

1. The student will create their own portfolio using HTML and CSS with the integration of PHP Scripts
2. Refer to the samples below

KEN CORDOVA

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EXPERTISE

Leadership
Vendor Management
Operations
Project Management
IT Management
Systems Support
Customer Experience
Governance & Compliance
Process Design & Optimization
Cyber Security
Training
Telecommunications
Wireless

OPERATIONAL SKILLS

Finance
Sales Operations
Business to Business
Retail
Fraud Prevention
Indirect
Training
Information Technology

REFERENCES

KRIS FANNIN
CEO, Founder Intelivate
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Twitter - @krisfannin
www.intelivate.com

JOSE MENDOZA
Director - Verizon
https://www.linkedin.com/in/jose-mendoza/

KAREN KENNEDY
Consultant - Verizon
https://www.linkedin.com/in/karen-kennedy-08342451/

PROFILE

I am a successful & aggressive leader with 20+ years of experience, of which 15 years were with Top Fortune 15 organizations. I have an extensive portfolio of overhauling business processes and systems while prioritizing the customer and business objectives. In addition, I have a passion for leading teams to surpass strategic goals while investing in their personal and professional growth.

EXPERIENCE

SENIOR MANAGER - CREDIT SYSTEMS & PROCESS STRATEGY
Verizon | Mar 2015 - Present

- Managed Credit system strategy for the entire organization.
- Managed credit support processes for six national call centers.
- Project manage a portfolio of transformational projects geared to reduce costs, improve credit decisions, & the customer experience.

SUPERVISOR - COMPLIANCE & GOVERNANCE
Verizon | Jul 2015 - Mar 2016

- Managed Compliance & Governance efforts across a $100 million dollar portfolio including Fraud Prevention, Collections, Recovery, Credit & Revenue Assurance teams.
- Managed vendor connectivity, security, & system access.
- Managed and audited vendor profiles, contractual performance & customer experience execution to save over $25 mil in year one.

SUPERVISOR - FRAUD PREVENTION OPERATIONS
Verizon | Jun 2011 - Jul 2015

- Managed day to day operations including process design, compliance, & Resource Management.
- Managed a vendor portfolio worth $20 million annually including staffing & systems
- Project managed initiatives including the opening of 4 call centers & various system enhancements improving prevented losses from $225m to $375m year over year.

CONSULTANT - NORTHEAST SALES OPERATIONS
Verizon | Jun 2011 - Jul 2015

- Managed customer facing vendors on customer experience & single visit resolution & led NortheastTechnical Support team.
- Managed various projects with the aim of automating & simplifying the customer experience including a $3 mil savings by creating an inspection tool to improve Quality of inspections.

EDUCATION

MASTER'S - IT MANAGEMENT WITH A SPECIALIZATION IN CYBER SECURITY
Colorado State University | 2015 - May 2017

BACHELOR OF ARTS - BUSINESS
Fairleigh Dickinson University | 2008 - 2013
Summa Cum Laude

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3. Use variable for the information provided in the webpage.
Example:
//variable for your firstname
$firstname = 'Christopher';

VII. QUESTION AND ANSWER

1. What program you use to create your webpage?
   - I used Visual Studio Code to create my webpage. I also ran it using XAMPP to support PHP locally on my computer
2. What kind of variables that you use in the webpage?
   - I used **string variables** for text like names, profession, and contact info. I also used an **array** to list skills and work experience. For example:
     ```
     $firstname = "Raine Angeline";
     $skills = ["Photoshop", "Event Photography"];
     ```
3. Is it important to study html and css before using PHP?
   - Yes, it's really helpful! HTML and CSS are the foundation of how a webpage looks and is structured. PHP mostly controls the functionality or logic, so knowing HTML and CSS first makes it easier to understand where PHP fits in.
4. What are the different ways to produce an output in PHP?
   - The most common way is using `echo` to show text or values. You can also use:
     ```
     print() – similar to echo
     ```

VIII. REFERENCES

1. https://www.w3schools.com/php/func_string_echo.asp
2. https://www.w3schools.com/css/
3. https://www.w3schools.com/html/
4. https://www.w3schools.com/php/php_variables.asp
5. https://dribbble.com/shots/5295835-Free-Resume-Template-For-Developers-With-Portfolio
6. https://www.intelivate.com/career-strategy/simple-resume-model-career-portfolio-example

Snip and paste your source codes here. Snip it directly from the IDE so that colors of the codes are preserved for readability. Include additional pages if necessary.

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title><?php echo "$firstname $lastname"; ?> - Portfolio</title>
  <link rel="stylesheet" href="style.css">
  <link href="https://cdnjs.cloudflare.com/ajax/libs/lightbox2/2.11.3/css/lightbox.min.css"
rel="stylesheet" />
```

```php
</head>
<body>
<?php
   $firstname = 'Raine Angeline';
   $lastname = 'Zaldivar';
   $profession = 'Photographer';
   $email = '202311025@example.com';
   $phone = '+6394567890';
   $bio = 'I am a passionate photographer with 2 years of experience capturing moments in
events, portraits, and creative projects. I am an active member of "The Innovator"
organization.';
   $skills = ['Adobe Lightroom', 'Photoshop', 'Event Photography', 'Portraits',
'Photojournalism'];
   $experience = [
      ['role' => 'Junior Photographer', 'company' => 'The Innovator', 'years' => '2025'],
      ['role' => 'Photojournalist', 'company' => 'Kuhaku Media', 'years' => '2023-Present']
   ];
   $portfolio = ['photo1.jpg', 'photo2.jpg', 'photo3.jpg'];
?>
<div class="header-wrapper">
   <div class="header">
      <div class="header-left">
         <h1><?php echo "$firstname $lastname"; ?></h1>
         <p><?php echo $profession; ?></p>
      </div>
   </div>
   <div class="profile-photo">
      <img src="images/1x1.jpg" alt="Profile Photo">
   </div>
</div>

<div class="section">
   <h2>About Me</h2>
   <p><?php echo $bio; ?></p>
</div>

<div class="section">
   <h2>Contact</h2>
   <p>Email: <?php echo $email; ?></p>
   <p>Phone: <?php echo $phone; ?></p>
</div>

<div class="section">
```

```html
    <h2>Tools & Expertise</h2>
    <div class="skills">
      <?php foreach ($skills as $skill) {
        echo "<span>$skill</span>";
      } ?>
    </div>
</div>

<div class="section">
  <h2>Experience</h2>
  <ul>
    <?php foreach ($experience as $job) {
      echo "<li><strong>{$job['role']}</strong> at {$job['company']}
({$job['years']})</li>";
    } ?>
  </ul>
</div>

<div class="section">
  <h2>Portfolio</h2>
  <div class="portfolio">
    <?php foreach ($portfolio as $photo) {
      echo "<a href='images/$photo' data-lightbox='portfolio'><img src='images/$photo'
alt='Sample photo' class='thumb'></a>";
    } ?>
  </div>
</div>

<script
src="https://cdnjs.cloudflare.com/ajax/libs/lightbox2/2.11.3/js/lightbox.min.js"></script>
</body>
</html>
```

CSS:
```css
* {
  box-sizing: border-box;
  margin: 0;
  padding: 0;
}

body {
  font-family: Arial, sans-serif;
  background-color: #f4f4f4;
```

```css
    color: #333;
    padding: 40px 20px;
    max-width: 900px;
    margin: auto;
    line-height: 1.6;
}

.header-wrapper {
    display: flex;
    align-items: center;
    justify-content: flex-start;
    gap: 30px;
    margin-bottom: 30px;
}

.header {
    background-color: #222;
    color: #fff;
    padding: 30px 20px;
    border-radius: 12px;
    box-shadow: 0 4px 10px rgba(0,0,0,0.1);
    flex: 1;
}

.header-left h1 {
    font-size: 2.5em;
    margin-bottom: 10px;
}

.header-left p {
    font-size: 1.2em;
}

.profile-photo img {
    width: 175px; /* Increased from 140px */
    height: 175px; /* Increased from 140px */
    object-fit: cover;
    border-radius: 10%;
    border: 4px solid #fff;
    box-shadow: 0 4px 10px rgba(0,0,0,0.15);
}

.split-header {
```

```css
  display: flex;
  align-items: center;
  justify-content: space-between;
  flex-wrap: wrap;
  width: 50%;
}

.header-left {
  flex: 1;
  padding-right: 20px;
}

.header-right img {
  width: 140px;
  height: 140px;
  object-fit: cover;
  border-radius: 50%;
  border: 4px solid #fff;
  box-shadow: 0 4px 10px rgba(0,0,0,0.15);
}

h1 {
  font-size: 2.5em;
  margin-bottom: 10px;
}

h2 {
  font-size: 1.5em;
  margin-bottom: 10px;
  color: #444;
  border-bottom: 2px solid #eee;
  padding-bottom: 5px;
}

.section {
  margin: 30px 0;
  background-color: #fff;
  padding: 20px;
  border-radius: 12px;
  box-shadow: 0 2px 8px rgba(0,0,0,0.05);
}

.skills span {
```

```css
    display: inline-block;
    background-color: #e0e0e0;
    margin: 6px 8px 6px 0;
    padding: 6px 14px;
    border-radius: 20px;
    font-size: 0.95em;
    font-weight: bold;
}

ul {
    padding-left: 20px;
}

p {
    margin-bottom: 12px;
}

.portfolio {
    display: flex;
    flex-wrap: wrap;
    gap: 15px;
    justify-content: center;
}

.thumb {
    width: 250px;
    height: 180px;
    object-fit: cover;
    border-radius: 10px;
    box-shadow: 0 2px 6px rgba(0,0,0,0.2);
    cursor: pointer;
    transition: transform 0.2s ease;
}

.thumb:hover {
    transform: scale(1.05);
}
```
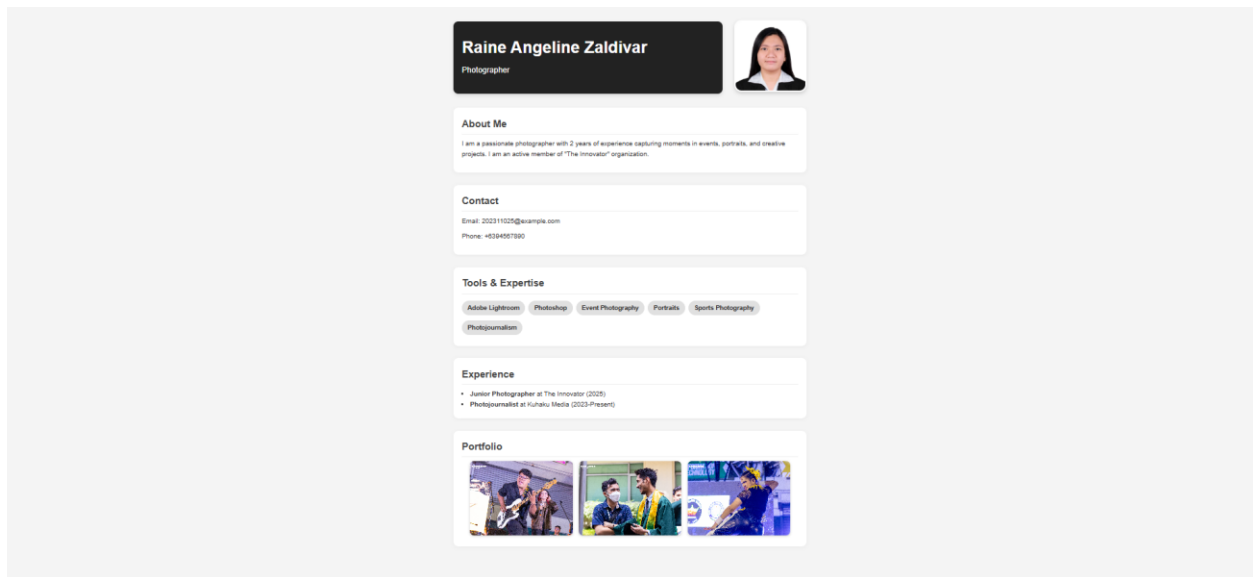
Note: The following rubrics/metrics will be used to grade students' output.

Program (100 pts.)	(Excellent)	(Good)	(Fair)	(Poor)
Program execution (20pts)	Program executes correctly with no syntax or runtime errors (**18-20pts**)	Program executes with less than 3 errors (**15-17pts**)	Program executes with more than 3 errors (**12-14pts**)	Program does not execute (**10-11pts**)
Correct output (20pts)	Program displays correct output with no errors (**18-20pts**)	Output has minor errors (**15-17pts**)	Output has multiple errors (**12-14pts**)	Output is incorrect (**10-11pts**)
Design of output (10pts)	Program displays more than expected (**10pts**)	Program displays minimally expected output (**8-9pts**)	Program does not display the required output (**6-7pts**)	Output is poorly designed (**5pts**)
Design of logic (20pts)	Program is logically well designed (**18-20pts**)	Program has slight logic errors that do no significantly affect the results (**15-17pts**)	Program has significant logic errors (**3-5pts**)	Program is incorrect (**10-11pts**)
Standards (20pts)	Program code is stylistically well designed (**18-20pts**)	Few inappropriate design choices (i.e. poor variable names, improper indentation) (**15-17pts**)	Several inappropriate design choices (i.e. poor variable names, improper indentation) (**12-14pts**)	Program is poorly written (**10-11pts**)
Delivery (10pts)	The program was delivered on time. (**10pts**)	The program was delivered a day after the deadline. (**8-9pts**)	The program was delivered two days after the deadline. (**6-7pts**)	The program was delivered more than two days after the deadline. (**5pts**)