

IS113 Web Application Development I

Week 3 In-class notes

[G10]

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Lab Test 1

- Date : 2 Mar 2021 (Tue)
- Time : 1.30 PM – 3.00 PM
- Venue : SRs

- More details will be provided soon.

Part I – Questions (week 2)

Part II – Recap (week 2)

Will I get the same results when rendered on a Web Browser ?

```
<html>
  <body>
    <p> hello! </p>
  </body>
</html>
```

Set 1

```
<html><body><p>hello!</p></body></html>
```

Set 2

Yes



No

Which of the following is/are not correct ?

1	<code>
</code>	
2	<code><html> . . . </html></code>	
3	<code></input></code>	<input checked="" type="checkbox"/>
4	<code><h1> ... </h1></code>	
5	<code><checkbox name="color[]" value="red" /></code>	<input checked="" type="checkbox"/>
6	<code><input type="submit" ></code>	
7	<code>link</code>	
8	<code> egg </code>	<input checked="" type="checkbox"/>

Assume that we are using WAMP.

With reference to the directory structure, will

<http://localhost/vehicles/cars.html> be rendered correctly?

```
webroot --  
  |  
  |-- cars.html  
  |-- vehicles  
      |  
      |-- lorry.html
```

Yes	No <input checked="" type="checkbox"/>
-----	--



What is wrong with the code ?

```
<!DOCTYPE html>
<html>
  <head>
    <title>List Example</title>
  <head>
  <body>List of Students:
    <ol>
      <li> John </li> <li></li>
      <li> Zoe  </li>
      <li> Penny <li>
      <li> <p>Amy</p> </li>
    </ul>
  </body>
</html>
```


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  <head>
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      <li> John </li> <li></li>
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    </ul>
  </body>
</html>
```

Built-in Functions

var_dump

(PHP 4, PHP 5, PHP 7)

var_dump — Dumps information about a variable

Description

```
var_dump ( mixed $expression [, mixed $... ] ) : void
```

This function displays structured information about one or more expressions that includes its type and value. Arrays and objects are explored recursively with values indented to show structure.

<https://www.php.net/manual/en/function.var-dump.php>

Add Exercise 1: Basics (Decision Statement)

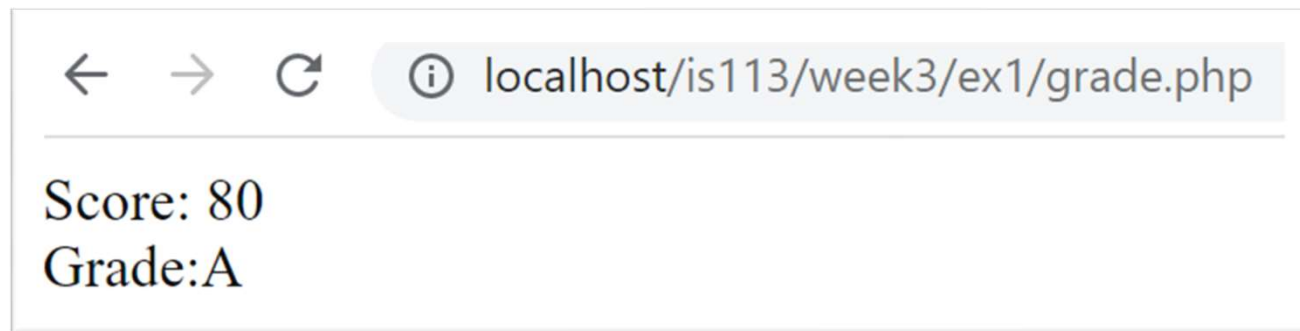
Edit `grade.php` from the given resources.

Complete `convert_to_grade` function following:

Score Range	Grade
80-100	A
70-79	B
60-69	C
50-59	D
0-49	F

Add Exercise 1: Basics (Decision Statement)

Expected output:



Add Exercise 2: Basics (Decision Statement)

Edit `pass_fail.php` from the given resources.

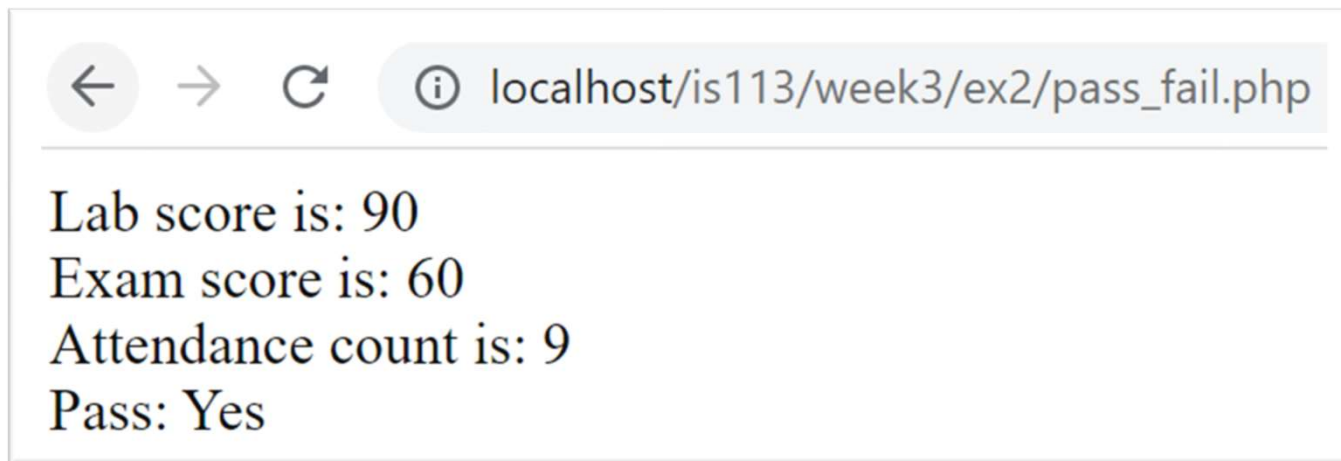
Complete `can_pass` function.

A student passes iff:

- The student attends at least 8 classes
- The student's overall score is at least 50
- Overall score:
 $0.2 \times \text{lab score} + 0.8 \times \text{exam score}$

Add Exercise 2: Basics (Decision Statement)

Expected output:



A screenshot of a web browser window. The address bar shows the URL `localhost/is113/week3/ex2/pass_fail.php`. Below the address bar, the output of the script is displayed in a monospaced font:

```
Lab score is: 90  
Exam score is: 60  
Attendance count is: 9  
Pass: Yes
```

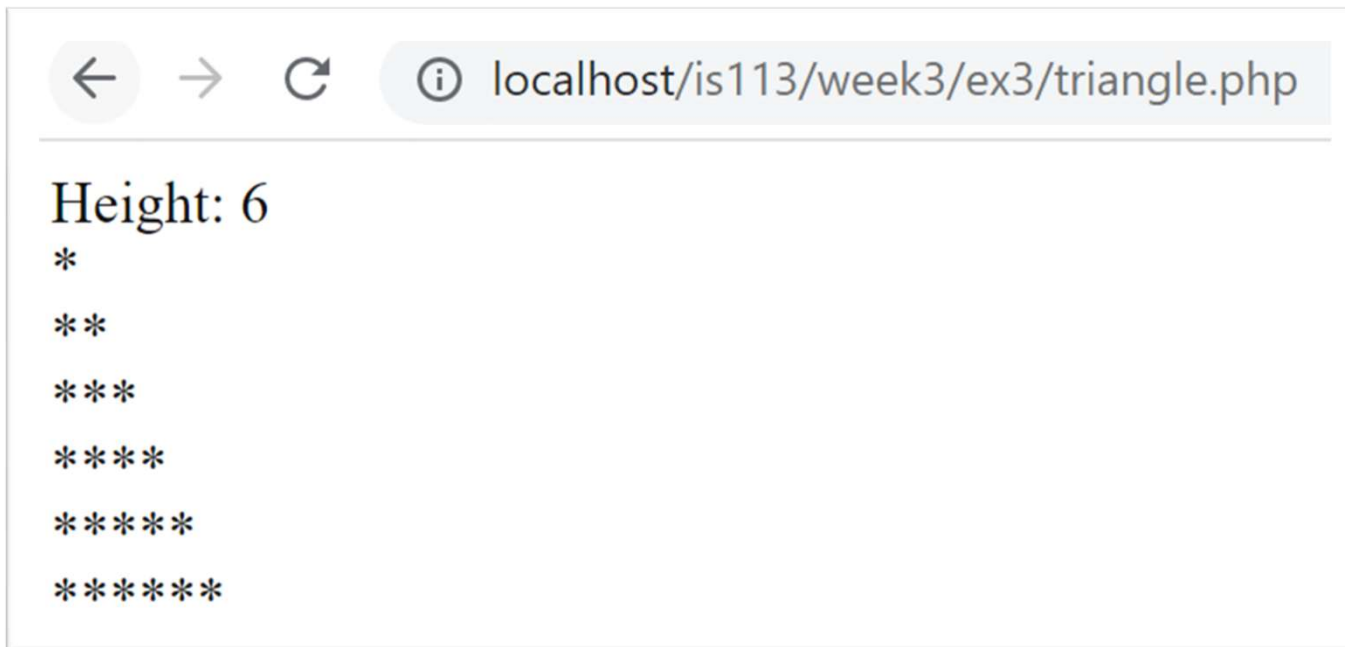
Add Exercise 3: Basics (Looping Statement)

Edit `triangle.php` from the given resources.

Complete `print_triangle` function.

Add Exercise 3: Basics (Looping Statement)

Expected output:



```
← → ↻ ⓘ localhost/is113/week3/ex3/triangle.php

Height: 6
*
**
***
****
*****
*****
```


Part IV – in class hands on

My Little Zoo

My Little Zoo

← → ↻ ⓘ http://localhost/is113/week3/solutionALL/zoo/baby.html

New Baby Animals

Animal Name :

Type of Animal :

☐ Elephant

☐ Tiger

☐ Lion

☐ Penguin

Health Check: ☐ active ☐ eating ☐ moving

Zoo Nursery Room :

Room 1 ▾

Animal Feeding Time: click [here](#)

- User enters the following data and click Submit.

- Animal Name: BabyX
- Type : Tiger
- Health Check : active, moving
- Zoo Nursery Room : Room 2



My Little Zoo

localhost/is113/week3/solutionA x +

← → ↻ ⓘ http://localhost/is113/wee

Details of New Baby Animal

Baby Name : BabyX
It is a tiger
Health Status :

- active
- moving

It is in Nursery room2

---- Happy Birthday ----

- The following is displayed.

Display what is selected.

If nothing is selected, print **Health Status : not good**

Room 1 - display ***** Welcome to Room 1 *****

Room 2, display **---- Happy Birthday ----**

Room 3, display **++++++ Stay Cute !!!!! ++++++**

