

PHP

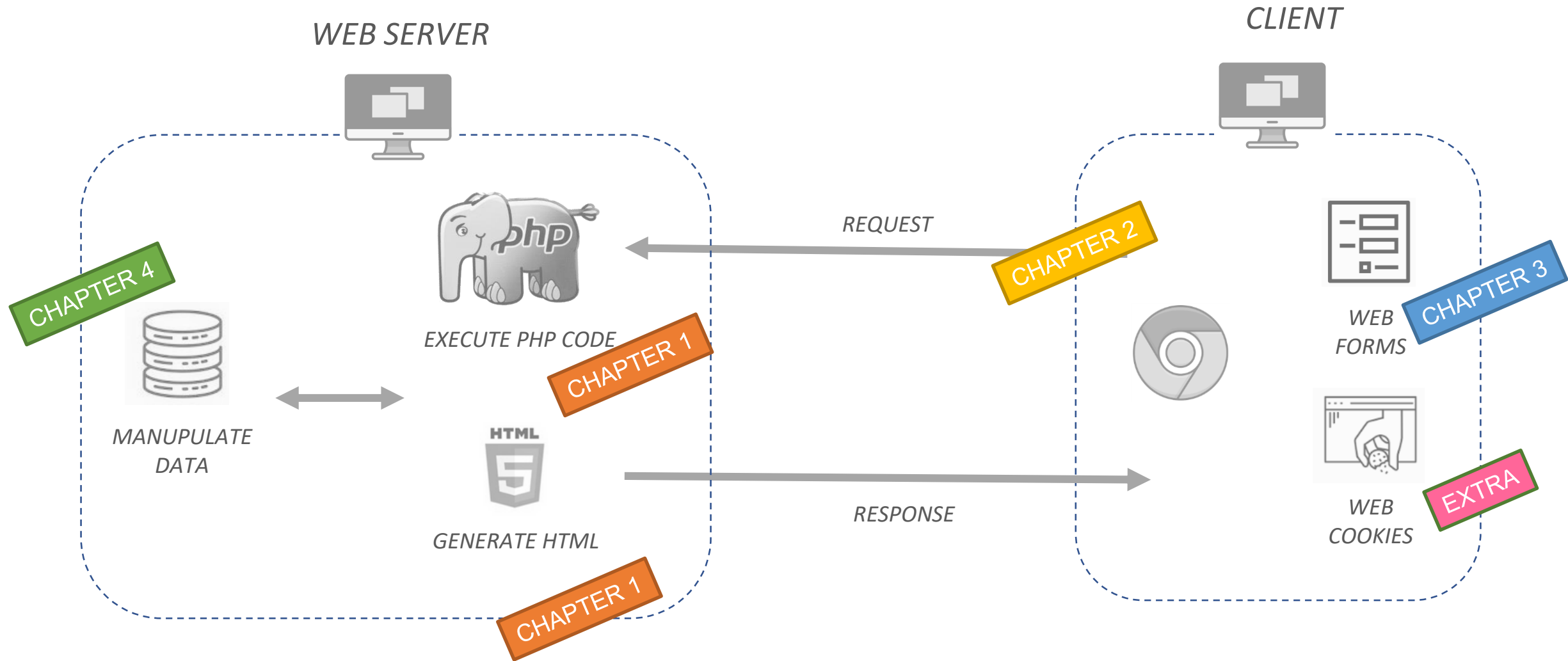




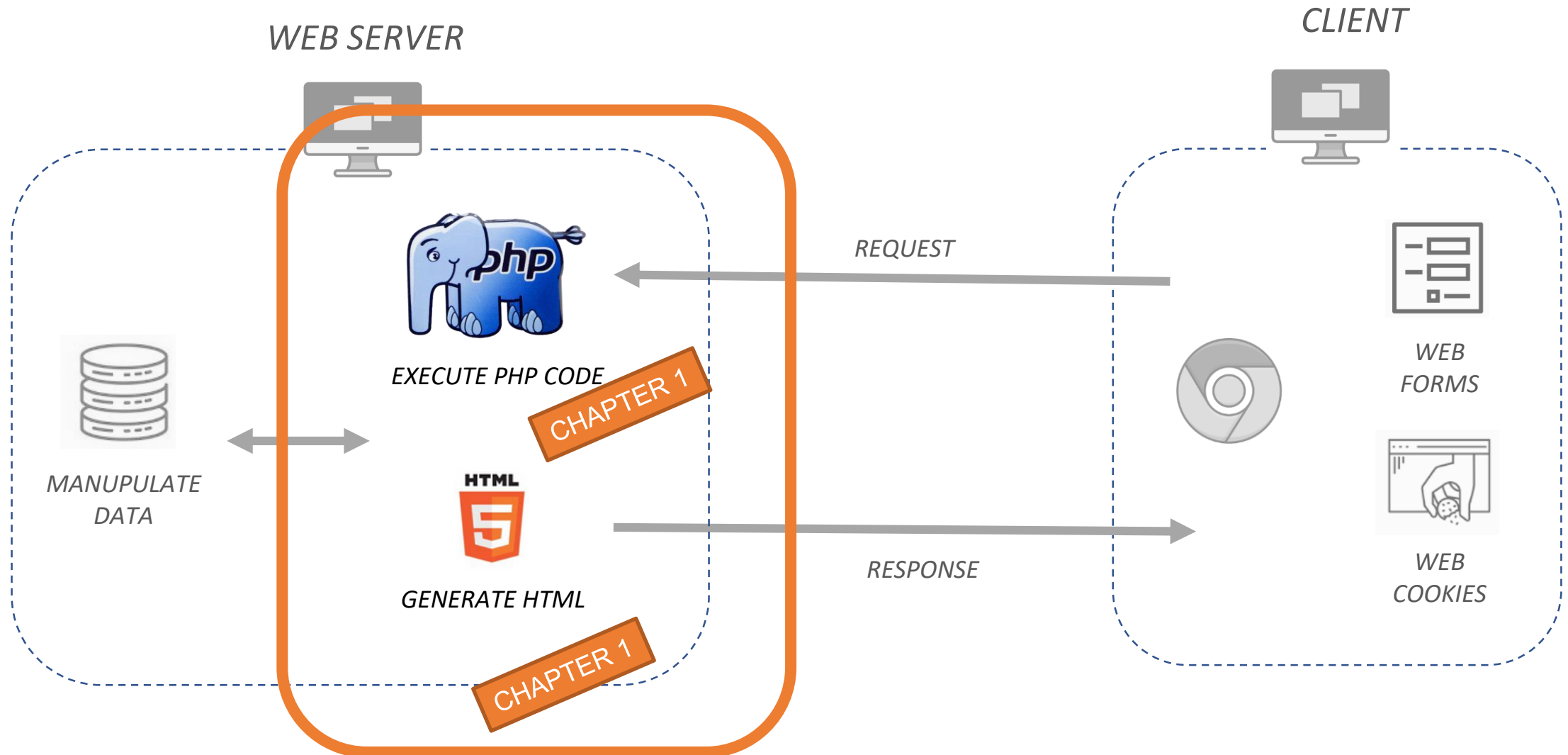
PHP COURSE EVALUATION

Participation in class	05%
Quiz	15%
Final exam	30%
Homework	10%
Project	40 %

PHP COURSE ROADMAP



CHAPTER 1





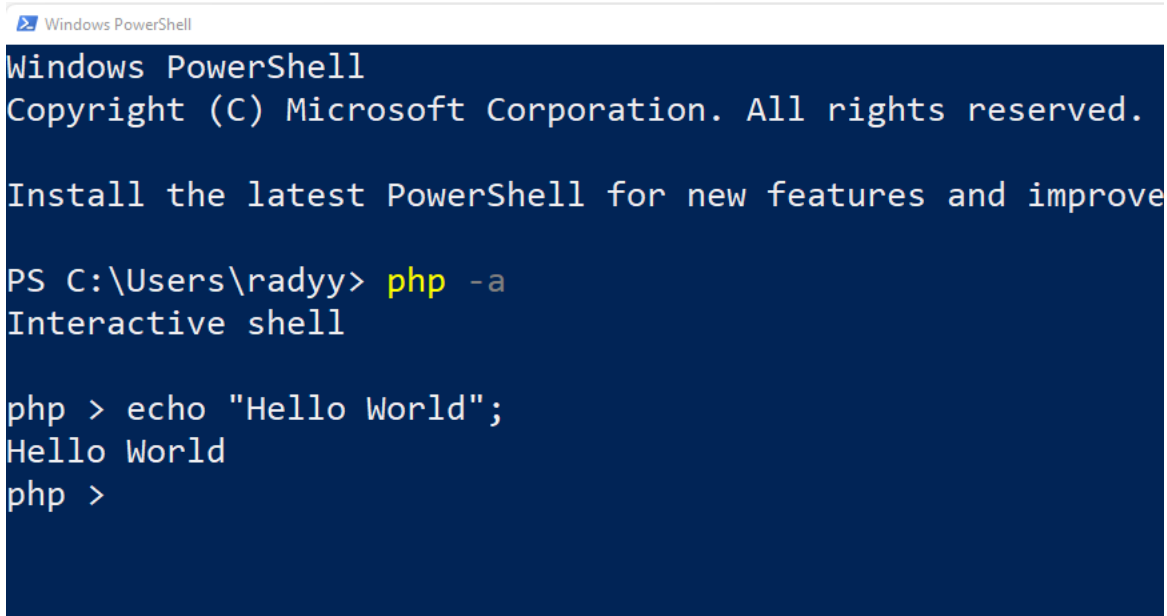
OBJECTIVES FOR TODAY



- ✓ Run **PHP** on **terminal**
- ✓ Get and solve **runtime errors**
- ✓ Know **PHP syntax**
 - PHP Data types
 - Variables / Constants
 - Echo / Print
 - Operations on string
 - Operations on Array & associative array
 - Conditionals / Loops
 - Define a function / Call function

GET STARTED WITH PHP

- PHP Interactive Shell



```
Windows PowerShell
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Install the latest PowerShell for new features and improvements: https://aka.ms/PowerShellLatest

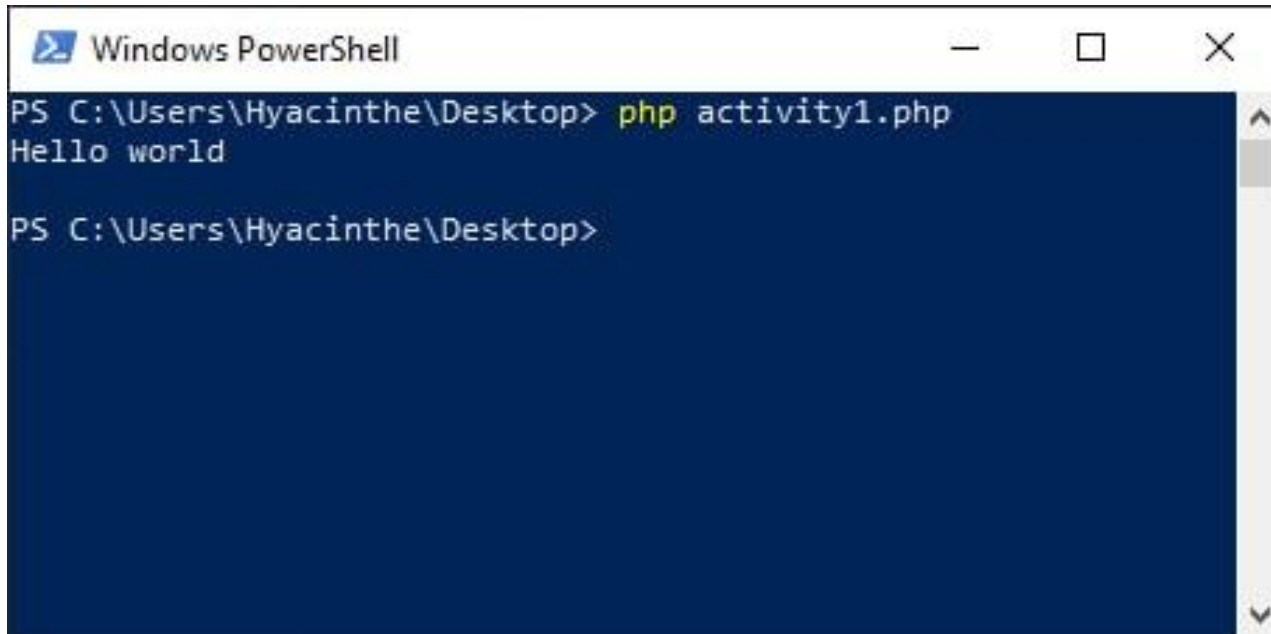
PS C:\Users\raddy> php -a
Interactive shell

php > echo "Hello World";
Hello World
php >
```

- 1 Open terminal
- 2 Execute the command *>php -a*
- 3 Write PHP code: *echo "Hello World";*

HOW TO EXECUTE PHP CODE FROM A FILE ?

```
C: > Users > Hyacinthe > Desktop > activity1.php  
1  <?php  
2      echo "Hello world";  
3  ?>
```



A screenshot of a Windows PowerShell window. The title bar reads "Windows PowerShell". The command prompt shows the user navigating to the directory "C:\Users\Hyacinthe\Desktop" and running the command "php activity1.php". The output of the command is "Hello world".

```
Windows PowerShell  
PS C:\Users\Hyacinthe\Desktop> php activity1.php  
Hello world  
PS C:\Users\Hyacinthe\Desktop>
```

- 1 In the file use php opening and closing tags `<?php ?>`
- 2 Write your code between the tags
- 3 In terminal execute command `> php activity1.php`



PHP SYNTAX - BASICS

--- ACTIVITIES 1-2-3-4 ---

DISPLAY TEXT

```
echo "Hello PHP";
```

CONSTANTS

```
// constant variable  
define("SCHOOL", "PNC CAMBODIA");  
  
// Access value  
echo SCHOOL; // output: PNC CAMBODIA
```

VARIABLES

```
// Integer value  
$age = 10;  
  
// String value  
$name = "Rady Y";  
  
// Boolean value  
$isDone = false;  
  
// Float or double value  
$average = 10.4;
```

STRINGS

```
// string length  
echo strlen("Hello world!");  
  
// search in string  
echo strpos("Hello world!", "world");  
  
// Concatenation  
echo "Hello " . "world!";
```

In PHP variables names **ALWAYS** start with **\$** symbole
if not it is considered as a constant



PHP SYNTAX - ARRAYS

--- ACTIVITIES 5-6-7 ---

ARRAYS

```
$numbers = [1, 2, 3, 4];  
  
echo $numbers[2]; // display 3  
  
echo count($numbers); // display 4  
  
$numbers[1] = 10; // now [1, 10, 3, 4]  
  
array_push($numbers, 5); // now [1, 10, 3, 4, 5]  
array_pop($numbers); // now [1, 10, 3, 4]  
  
unset($numbers[2]); // now [1, 10, 4]
```

ASSOCIATIVE ARRAYS

```
// Associative Array  
$user = [  
    "name" => "rady",  
    "age" => 27  
];  
  
// Access array value  
echo $user['name']; // rady  
  
// Delete value  
unset($user['age']);
```



PHP SYNTAX - LOOPS

--- ACTIVITIES 8-9-10 ---

```
$numbers = [1, 2, 3, 4];  
  
for ($i=0; $i < count($numbers); $i++) {  
    echo $numbers[$i];  
}
```

```
$numbers = [1, 2, 3, 4];  
// foreach loop  
foreach($numbers as $value) {  
    echo $value; // 1, 2, 3, 4, 5  
}
```

```
$i = 0;  
while ($i < count($numbers)) {  
    echo $numbers[$i];  
    $i++;  
}
```



PHP SYNTAX - CONDITIONALS

--- ACTIVITY 11 ---

```
if ($n == 10){  
    echo "Sure";  
}elseif ($n > 10) {  
    echo "Not really";  
}elseif ($n < 10) {  
    echo "Not exactly";  
}else {  
    echo "No answer";  
}
```



PHP SYNTAX - FUNCTIONS

--- ACTIVITY 12 ---

```
// Function declare  
function getName() {  
    return "Rady here...";  
}  
  
// call  
echo getName( );
```



Convert code from JS to PHP

