

LAPORAN

Praktikum Pemrograman WEB



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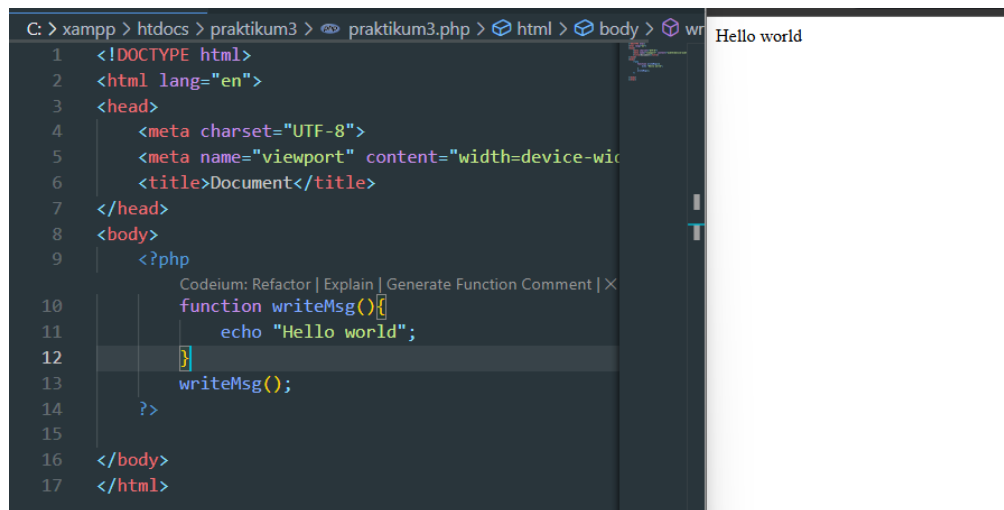
NRP : 3124600001

A. Tujuan Pembelajaran

1. Mahasiswa mampu memahami dan mengaplikasikan Fungsi PHP (sederhana)
2. Mahasiswa mampu memahami dan mengaplikasikan Looping PHP

B. Function

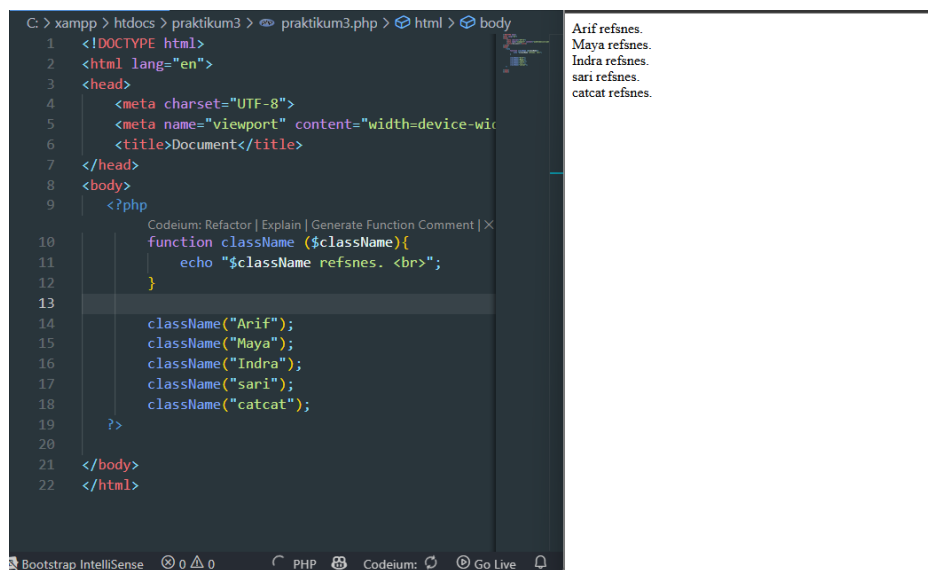
1. Memanggil fungsi



The screenshot shows a code editor with a PHP file named `praktikum3.php`. The code defines a function `writeMsg()` that echoes "Hello world". The function is called within the `<?php>` block. The output of the script is displayed in a browser window on the right, showing "Hello world".

```
C: > xampp > htdocs > praktikum3 > praktikum3.php > html > body > writeMsg()
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <?php
10     function writeMsg(){
11       echo "Hello world";
12     }
13     writeMsg();
14   ?>
15
16 </body>
17 </html>
```

2. Php Function Argumen



The screenshot shows a code editor with a PHP file named `praktikum3.php`. The code defines a function `className($className)` that echoes the name followed by " refsnes." and a line break. The function is called with various names: "Arif", "Maya", "Indra", "sari", and "catcat". The output of the script is displayed in a browser window on the right, showing the names followed by " refsnes." and a line break.

```
C: > xampp > htdocs > praktikum3 > praktikum3.php > html > body
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <?php
10     function className ($className){
11       echo "$className refsnes. <br>";
12     }
13
14     className("Arif");
15     className("Maya");
16     className("Indra");
17     className("sari");
18     className("catcat");
19   ?>
20
21 </body>
22 </html>
```

3. Php function 2 Argumen

```
xampp > htdocs > praktikum3 > praktikum3.php > html > body > bioData
```

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1">
6   <title>Document</title>
7 </head>
8 <body>
9   <?php
10     function bioData($name, $year){
11       echo "my name $name refsnes. Born in $year";
12     }
13
14     bioData("Arif", 2006);
15     bioData("Maya", 2005);
16     bioData("Indra", 2005);
17     bioData("siti", 2007);
18   ?>
19
20 </body>
21 </html>
```

my name Arif refsnes. Born in 2006.
my name Maya refsnes. Born in 2005.
my name Indra refsnes. Born in 2005.
my name siti refsnes. Born in 2007.

4. Kesalahan Penulisan

```
C:\xampp\htdocs\praktikum3\praktikum3.php > praktikum3.php > html > body
```

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1">
6   <title>Document</title>
7 </head>
8 <body>
9   <?php
10     function input (int $a, int $b){
11       return $a + $b;
12     }
13
14     echo input(2,"input");
15   ?>
16
17 </body>
18 </html>
```

Fatal error: Uncaught TypeError: input(): Argument #2 (\$b) must be of type int, string given, called in C:\xampp\htdocs\praktikum3\praktikum3.php on line 14 and defined in C:\xampp\htdocs\praktikum3\praktikum3.php:10 Stack trace: #0 C:\xampp\htdocs\praktikum3\praktikum3.php(14): input(2, 'input') #1 {main} thrown in C:\xampp\htdocs\praktikum3\praktikum3.php on line 10

5. Declare type

```
> xampp > htdocs > praktikum3 > praktikum3.php > html > body
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1">
6   <title>Document</title>
7 </head>
8 <body>
9   <?php
10    declare(strict_types=1); //strict mode
11    Codeium: Refactor | Explain | X
12    function addNumbers(int $a, int $b) {
13      return $a + $b;
14    }
15    echo addNumbers(5, "5 days");
16  ?>
17
18 </body>
19 </html>
```

Fatal error: strict_types declaration must be the very first statement in the script in C:\xampp\htdocs\praktikum3\praktikum3.php on line 10

6. PHP Default Argument Value

```
C: > xampp > htdocs > praktikum3 > praktikum3.php > html > head > meta
1 <?php
2 declare(strict_types=1);
3 ?>
4
5 <!DOCTYPE html>
6 <html lang="en">
7 <head>
8   <meta charset="UTF-8">
9   <meta name="viewport" content="width=device-width, initial-scale=1">
10  <title>Document</title>
11 </head>
12 <body>
13   <?php
14     Codeium: Refactor | Explain | Generate Function Comment | X
15     function setHeight(int $minheight = 50) {
16       echo "The height is : $minheight <br>";
17     }
18     setHeight(350);
19     setHeight(); // will use the default value of 50
20     setHeight(135);
21     setHeight(80);
22   ?>
23 </body>
24 </html>
```

The height is : 350
The height is : 50
The height is : 135
The height is : 80

7. PHP Functions - Returning values

```
C: > C:\xampp\htdocs\praktikum3\praktikum3.php n3.php > html > body
1  <?php
2  declare(strict_types=1);
3  ?>
4
5  <!DOCTYPE html>
6  <html lang="en">
7  <head>
8      <meta charset="UTF-8">
9      <meta name="viewport" content="width=device-width, initial-scale=1">
10     <title>Document</title>
11 </head>
12 <body>
13
14     <?php
15         Codeium: Refactor | Explain | Generate Function Comment | X
16         function Hitung (int $x, int $y){
17             $z = $x + $y;
18             return $z;
19         }
20
21         echo "5+10 = " . Hitung(5,10) . "<br>";
22         echo "10+10 = " . Hitung(10,10) . "<br>";
23         echo "10+15 = " . Hitung(10,15) . "<br>";
24
25     ?>
```

5+10 = 15
10+10 = 20
10+15 = 25

8. PHP Return Type Declarations

```
C: > xampp > htdocs > praktikum3 > praktikum3.php > html > body
1  <?php
2  declare(strict_types=1);
3  ?>
4
5  <!DOCTYPE html>
6  <html lang="en">
7  <head>
8      <meta charset="UTF-8">
9      <meta name="viewport" content="width=device-width, initial-scale=1">
10     <title>Document</title>
11 </head>
12 <body>
13
14     <?php
15         Codeium: Refactor | Explain | Generate Function Comment | X
16         function sum(int $x, int $y) {
17             $z = $x + $y; return $z;
18         }
19
20         echo "5 + 10 = " . sum(5, 10) . "<br>";
21         echo "7 + 13 = " . sum(7, 13) . "<br>";
22         echo "2 + 4 = " . sum(2, 4);
23     ?>
```

5 + 10 = 15
7 + 13 = 20
2 + 4 = 6

```

C: > xampp > htdocs > praktikum3 > praktikum3.php > html > body
1  <?php
2  declare(strict_types=1);
3  ?>
4
5  <!DOCTYPE html>
6  <html lang="en">
7  <head>
8      <meta charset="UTF-8">
9      <meta name="viewport" content="width=device-wid
10     <title>Document</title>
11 </head>
12 <body>
13
14     <?php
15         Codeium: Refactor | Explain | Generate Function Comment | X
16         function addNumbers(float $a, float $b) : int
17             return (int)($a + $b);
18     >
19     echo addNumbers(1.2, 5.2);
20
21 </body>
22
23 </html>
24

```

6

9. Passing Arguments by Reference

```

C: > xampp > htdocs > praktikum3 > praktikum3.php > html > body
1  <?php
2  declare(strict_types=1);
3  ?>
4
5  <!DOCTYPE html>
6  <html lang="en">
7  <head>
8      <meta charset="UTF-8">
9      <meta name="viewport" content="width=device-wid
10     <title>Document</title>
11 </head>
12 <body>
13
14     <?php
15         Codeium: Refactor | Explain | Generate Function Comment | X
16         function add_five(&$value) {
17             $value += 5;
18         }
19         $num = 2; add_five($num);
20         echo $num;
21     ?>
22
23
24 </body>
25 </html>

```

7