DEU CENG

CME4414
LAB SHEET #4

PHP

PHP

PHP: Server side scripting language designed for web development.

A PHP script is executed on the server, and the plain HTML result is sent back to the browser.

```
<?php
// PHP code goes here
?>
```

The default file extension for PHP files is ".php".

Set up PHP & test .php file
- install a web server
- install PHP
- install a database, such as MySQL
- create test.php file, place them in web directory
- the server will automatically parse them

*http://php.net/manual/en/install.php

XAMMP

Free and open source cross-platform web server solution package.

XAMPP is a completely free, easy to install Apache distribution containing MariaDB, PHP, and Perl

To view php files, you should run Apache server.

Copy ***. php files to C:\xampp\htdocs\lab

Open the browser and write http://localhost/lab/***.php in address bar.

Sample1:

```
<!DOCTYPE html>
<html>
<body>

<?php
echo "NEW PHP script";
?>

</body>
</html>
```

Sample2:

```
<!DOCTYPE html>
<html>
      <head>
            <title>First PHP Session</title>
      </head>
      <body>
            <?php
                  echo "Hello", "<br>";
                  print("World!");
                  ……..
                  print "<br><br>";
            ?>
      </body>
</html>
```

Example 1

Variables

```
<!DOCTYPE html>
<html>
      <head>
            <title>First PHP Session</title>
      </head>
      <body>
      <?php
      //sample 2 variables
                  $month = 3;
                  $year = 2016;
                  echo "month/year <br>";
                  echo "$month/$year <br>";
                  …….
                  echo "<br><br>";

                  $num1 = 1087;
                  $num2 = 3010;
                  $total = $num1 + $num2;
                  ………..

                  echo "<br><br>";
                  d………..
                  echo gezegen. "<br><br>";
```

```php
            $gezegen = "dssg";
            echo gezegen. "<br><br>";
            //define ('gezegen', 'aaaa');

            $address = "http://www.google.com";
            echo "<br><br>";
            echo "$address"."<br>";
            echo "<a href = '$address'>GOOGLE</a>";
            unset ($address);
            echo $address . "<br>";
        ?>
        <?php
        // Sample 3: array
            $fruits = array("Apple", "Grapes", "Oranges",
"Berry");

            for ($i = 0; $i<count($fruits); $i++)
            {
                ….....
            }
            echo "<br>";
            $Student = array('first' => 'Aslı',
                             'second' => 'Barış',
                             'third' => 'Mehmet');

            echo "First student= ".$Student["first"] .
"<br><br>";


            ………...
                echo "Key = " . $index . ", Value = " . $value;
                echo "<br>";
            }
            echo "<br><br>";
        ?>
    </body>
</html>
```

Example 2

Function

```html
<!DOCTYPE html>

<html>

<body>

<?php
```

```php
function writeMsg() {

    echo "Hello world!";

}

…….

?>

</body>

</html>
```

```php
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
    <head>
        <meta http-equiv="content-type" content="text/html;
charset=utf-8">
        <title>CME 4414 Web Tech PHP Tutorial</title>
    </head>
    <body>
    <?php
                // functions
                function Add($num1, $num2) {
                     $result = $num1 + $num2;
                     return $result;
                }
                $result = Add(13, 25);
                echo "sonuç: $result<br><br>";

                // pass by reference
                ………

                }
                arttir($result);
                echo "sonuç: $result<br><br>";
            ?>
    </body>
</html>
```
Example 3

Class

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
```

```html
    <head>
      <meta http-equiv="content-type" content="text/html;charset=utf-8">
      <title>CME 4414 Web Tech PHP Tutorial</title>
      </head>
      <body>
<?php
                    // classes
                    class Person
                    {
                            public $ad;
                            ……..
                            public function __construct($ad = 'Alan', $soyad = 'Turing') {
                                    $this->ad = $ad;
                                    $this->soyad  = $soyad;
                            }
                            public function func1() {
                                    return "Merhaba, " . $this->ad . " " . $this->soyad;
                            }
                            public function __destruct() {
                    echo "***" . __CLASS__ . " siliniyor... -- $this->ad, $this->soyad -- <br>";
                            }
                    }
                    $turing = new Person('Alan');
                    $ada = new Person("Lady Ada", 'Lovelace');

                    echo $turing-> func1();
            …………..
                    echo "<br><br>";
                    echo $ada-> func1();
                    echo "<br><br>";

            ?>
      </body>
</html>
```