

LAB-10

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1) Write a PHP script, which changes the color of the first character of a word.

Code :

```
<html>
    <body>

        <form action="" method="POST">
            Name:<input type="text" name="name"/>
            Color of first character:<input type="text" name="color"/>
            <input type="submit"/>

        </form>

        <?php
function FirstCharacter($word, $color) {
    $firstChar = mb_substr($word, 0, 1); // Get the first character
    $restOfWord = mb_substr($word, 1); // Get the remaining characters
    $coloredWord = '<span style="color: ' . $color . ';">' . $firstChar . '</span>'
    . $restOfWord; // Wrap the first character in a <span> tag with the specified
    color

    echo $coloredWord;
}

FirstCharacter($_POST['name'],$_POST['color']);
?>

    </body>
</html>
```

Output:

Name: Color of first character:

Manoj

2)Write a e PHP script to display string, values within a table.

Note : Use HTML table elements into echo.

Code:

```
<html>
<style>
```

```
*{background:white; color:black;}
```

```
table, th, td {
border: 1px solid black; border-collapse: collapse;
}
```

```
td:first-of-type{ color:red;
}
td {
padding: 15px;
}
```

```
</style>
<body>
```

```
<?php
```

```
echo "<table cell-spacing='10px' cell-padding='10px'>
<tr>
<td>Name</td>
<td>Dollars</td>
<tr>
<tr>
```

```

<td>Manoj</td>
<td>1374$</td>
</tr>
<tr>
<td>Sai</td>
<td>2477$</td>
</tr>

<tr>
<td>Raj</td>
<td>1575$</td>

</tr>
</table>"
?>
</body>
</html>

```

Output:

Name	Dollars
Manoj	1374\$
Sai	2477\$
Raj	1575\$

3)Write a PHP script to count number of lines in a file. create a directory and display the list of txt files in the directory.

Code:

```
<html>
  <body style="background:white;color:black;">

  <?php

    $file=file("./File.txt");
    // $file_data=file_get_contents("./File.txt");
    $num_of_lines=count($file);

    echo "File data : <br><br>";
    for($i=0;$i<count($file);$i++)
    {
      echo strval($i+1).": ".$file[$i]."<br>";

    }

    echo "<h1> noof lines in file : $num_of_lines <h1>";

  ?>

</body>
</html>
```

Output:

File data :

```
1: Hello world
2:
3: this this my programming in php
4: on file handling
5:
6: thank u bye
```

noof lines in file : 6

Code:

```
<html>
  <body style="background:white;color:black; ">
    <?php

        $directory = "/opt/lampp/htdocs/htmlcode";
        $files = scandir($directory);

        echo "<h2>List of directory and files <h2><br><br>";

        foreach ($files as $file) {
            if ($file != "." && $file != "..") {
                if(is_file($file))
                {
                    echo "File:". $file . "<br>";
                }
                else
```

```

        {
            echo "Dir:". $file . "<br>";
        }
    }

}

?>
</body>
</body>

```

Output:

List of directory and files

File:A_basic.php
File:Array_reverse4.php
File:Create_directory_3_2.php
File>Data_formate9.php
File:File_Size11.php
File:File.txt
File:First_word_Color.php
Dir:Ganesh
File:Get_method.php
File:Mail_Validation5.php
File:Number_of_lines3.php
File:php_calculator.php
File:Query_string10.php
Dir:S
Dir:Sai
File:Scandir_3_3.php
File:String_methods5.php
File:Table_2.php

4)Write a PHP script to sort an array in reverse order (highest to lowest).

Code:

```
<html>
  <body style="background:white;color:black" >

  <?php
    $array = [4, 2, 1, 3, 5];

    echo "Before :[";
    for($i=0;$i<count($array);$i++)
    {

      echo $array[$i].",";
    }

    echo "]<br><br>";

    rsort($array);

    echo "After :[";
    for($i=0;$i<count($array);$i++)
    {

      echo $array[$i].",";
    }

    echo "]";

  ?>

</body>
</html>
```

Output:

Before :[4,2,1,3,5,]

After :[5,4,3,2,1,]

5)Write a PHP script to : -

a) transform a string all uppercase letters.

b) transform a string all lowercase letters.

c) make a string's first character uppercase.

d) make a string's first character of all the words uppercase.

Code:

```
<html>
  <body style="background:white;color:black;">

  <?php

    $str1="Ganesh";

    echo"<h1>String to uppercase</h1><br>Before :".$str1;
    echo"<br>After:".strtoupper($str1);

    echo"<h1>String to lowercase</h1><br>Before: ".$str1;
    echo"<br>After:".strtolower($str1);

    $str2 = "hello world";
```



```
echo"<h1>string`s first character uppercase</h1><br>Before:
".$str2;
echo"<br>After:".$ucfirst($str2);
```

```
echo"<h1>string`s first character of all the words
uppercase.</h1><br>Before: hello world";
echo"<br>After:".$ucwords("hello world");
```

?>

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

Output:

String to uppercase

Before :Ganesh
After:GANESH

String to lowercase

Before: Ganesh
After:ganesh

string`s first character uppercase

Before: hello world
After:Hello world

string`s first character of all the words uppercase.

Before: hello world
After:Hello World

6)Write a PHP program to valid an email address.

Code:

```
<html>
  <body style="background:white;color:black;">

    <form action="<?php $_SERVER['PHP_SELF?'] ?>"
method="POST" >

      Enter Mail:<input type="email" name="mail" placeholder="Enter
mail"/>

      <input type="submit"/>
    </form>

</body>
</html>

<?php

if($_SERVER['REQUEST_METHOD']=="POST")
{

$pattern = "/^[a-zA-Z0-9._-]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z-]+)*$/";

if (preg_match($pattern, $_POST['mail'])) {
```

```

        echo "Valid email address.".$_POST['mail'];
    } else {
        echo "Invalid email address.";
    }

}

?>

```

Output:

Enter Mail:

Valid email address.werfg@gmail.com

7) Write a PHP Calculator class which will accept two values as arguments, then add them, subtract them, multiply them together, or divide them on request.

Code:

```

<html>
    <body style="background:white;color:black;">

        <form action="<?php $_SERVER['PHP_SELF'] ?>"
method="POST">

            Enter num1:<input type="text" name="num1"><br>
            Enter num2:<input type="text" name="num2">
            <br>

            <input type="submit" name="add" value="+"/>

```

```
        <input type="submit" name="mul" value="*" />
        <input type="submit" name="div" value="/" />
        <input type="submit" name="sub" value="-" />
    </form>
```

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

```
<?php
```

```
if($_SERVER['REQUEST_METHOD']=='POST')
{
    $num1=$_POST['num1'];
    $num2=$_POST['num2'];
    if(is_numeric($num1) && is_numeric($num2))
    {
        if(isset($_POST['add']))
        {
            echo "<h2>addition of $num1 and $num2
: </h2>". "<h3>".$num1+$num2."</h3>";
        }
        elseif(isset($_POST['mul']))
        {
            echo "<h2>multiplication of $num1 and $num2
: </h2><h3>".($num1*$num2)."</h3>";
        }
        elseif(isset($_POST['div']))
        {
            if($num2 ==0)
            {
                echo "<h1>$num1 is cant divisible by $num2</h2>";
            }
        }
    }
}
```

```

    }
    else{
        echo "<h2>division of $num1 and $num2
:</h2><h3>".($num1/$num2)."</h3>";}
    }
    elseif(isset($_POST['sub']))
    {
        echo "<h2>subtraction of $num1 and $num2
:</h2><h3>".($num1-$num2)."</h3>";
    }

}

else
{
    echo "<h1>Entered invalid number please try again</h1>";
}

}

?>

```

Output:

Enter num1:

Enter num2:

Enter num1:

Enter num2:

multiplication of 10 and 20 :

200

subtraction of 10 and 12 :

-2

Enter num1:

Enter num2:

Entered invalid number please try again

8)Write a PHP class that sorts an ordered integer array with the help of sort() function.

Code:

```
<html>
  <body style="background:white;color:black" >

  <?php
    $array = array(11, -2, 4, 35, 0, 8, -9);

    echo "Before :[";
    for($i=0;$i<count($array);$i++)
    {

        echo $array[$i].",";
    }

    echo "]<br><br>";

    sort($array);

    echo "After :[";
```

```
for($i=0;$i<count($array);$i++)  
{  
  
    echo $array[$i].",";  
}  
  
echo "];"  
  
?>
```

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

Output:

Before :[11,-2,4,35,0,8,-9,]

After :[-9,-2,0,4,8,11,35,]

9)Write a PHP script to convert a string to Date and DateTime.

Sample Date : 12-08-2004;

Expected Output : 2004-12-08

Code:

```
<html>  
    <body style="background:white;color:black;">
```

```
<form action="<?php $_SERVER['PHP_SELF'] ?>"
method="POST">
```

```
<h2>Enter data in formate day/month/year:<h2>
  <input type="text" name="date"/>
  <input type="submit" value="d/m/y"/>
</form>
```

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

```
<?php
```

```
if($_SERVER['REQUEST_METHOD']=='POST')
{
```

```
    $stringDate = $_POST['date'];
    $dateFormat = 'd-m-Y';
```

```
    $date = DateTime::createFromFormat($dateFormat, $stringDate);
    if($date==true)
    {
```

```
        // Convert string to date format
        $date = date('Y-m-d', strtotime($stringDate));
```



```

echo "<br> <br><br>Original String Date(d/m/y):" . $stringDate .
"<br>";
echo "Converted Date (y/d/m):" . $date . "<br>";

}
else{
    echo "<br><br><h1>Entered invalid date</h1>";
}

}
?>

```

Output:

Enter data in formate day/month/year:

Original String Date(d/m/y):23-03-2003

Converted Date (y/d/m): 2003-03-23

**10) Write a PHP script to get the characters after the last
'/' in an url.**

Sample URL : http://www.example.com/5478631;

Expected Output :5478631&;

Code:

```

<html>
    <body style="background:white;color:black;">

```

```
<form action="<?php $_SERVER['PHP_SELF'] ?>"
method="POST">
```

```
<h2>Enter URL:<h2>
  <input type="text" name="url"/>
  <input type="submit" />
</form>
```

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

```
<?php
```

```
if($_SERVER['REQUEST_METHOD']=="POST")
{
  $url=$_POST['url'];
```

```
// Split the URL by '/'
$parts = explode('/', $url);
```

```
// Get the last element from the array
$charactersAfterLastSlash = end($parts);
```

```
echo "<br>input: " . $url . "<br>";
echo "output'/: " . $charactersAfterLastSlash . "\n";
```

```
}
?>
```

Output:

Enter URL:

Submit

input: https://sdkn/sdlsnd/file.txt

output'/': file.txt

11) Write a PHP program to get the size of a file.

Code:

```
<html>
  <body style="background:white;color:black;">
    <form action = "<?php $_SERVER['PHP_SELF'] ?>"
method="POST">
      Enter File name :<input type="text" name="fname" />

      <input type="submit" />

    </form>

  </body>
</html>

<?php

if($_SERVER['REQUEST_METHOD']=="POST")
{
  $files=scandir("/opt/lampp/htdocs/htmlcode");

  $x=false;
```

```
foreach($files as $file)
{
    if($file==$_POST['fname'])
    {
        echo "<h2>Size of $file is :".filesize($file)." Bytes</h2>";
        $x=true;
    }
}

if(!$x)
{
    echo "<br><h1>File is not found in present directory</h1>";
}
}
```

?>

Output:

Enter File name :

File is not found in present directory

Enter File name :

Size of File.txt is :75 Bytes

