

DIGITAL ASSIGNMENT 1

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1.Design the following form with HTML form elements.

CODE:

```
<!DOCTYPE html>
<html>
<head>
<title>HTML FORM</title>
</head> <body>
<form name="form" onsubmit="return validate()"> <table align="center"> <tr>
<td>FirstName</td>
<td><input type="text" size=30 id="fn"></td>
</tr> <tr>
</tr>
<tr>
<td>Last Name</td>
<td><input type="text" size=30 id="ln"></td> </tr>
<tr>
<td>Email</td>
<td><input type="text" size=30 id="email"></td> </tr>
<tr>
<td>Phone Number</td>
<td><input type="number" size=10 id="pn"></td>
</tr>
<tr>
<td>Resident State</td>
<td><select id="rs">
```

```
<option value="Andhra Pradesh">Andhra  
Pradesh</option>  
<option value="Tamil Nadu">Tamil Nadu</option>  
<option  
value="Maharashtra">Maharashtra</option>  
<option value="Karnataka">Karnataka</option>  
<option value="Kerala">Kerala</option>  
<option value="other">other</option>  
</select>  
</td>  
</tr>  
<tr>  
<td>  
</td>  
<tr>  
<td>  
Age Group<br>  
<input type="radio" name="age" checked="true">0-20<br>  
<input type="radio" name="age">20-40<br>  
<input type="radio" name="age">41-60<br>  
<input type="radio" name="age">over 60<br>  
</td>  
</tr>  
<tr>  
<td>  
Membership:<br>  
<input type="checkbox" name="aaa" value="AAA" checked="true">AAA  
<input type="checkbox" name="costoco" value="Costoco">Costoco  
<input type="checkbox" name="ieee" value="IEEE">IEEE  
<input type="checkbox" name="acm" value="ACM">ACM<br></td>  
</tr>
```

```

<tr>
<td>
Comments<br>
<textarea rows="5" cols="30" id="Comments"></textarea><br></td></tr>

<tr>
<td>
<input type="submit" name="submit" value="Register">
<input type="reset" name="reset" value="Start Over"></td> </tr>
</table>

</form>
</body>
</html>

```

OUTPUT:

The screenshot shows a web browser window with the title bar 'HTML FORM'. The address bar indicates the file is located at 'C:/Users/Lenovo/OneDrive/Desktop/blog/QUE1.html'. The page content is an HTML form with the following fields:

- FirstName: Text input field
- Last Name: Text input field
- Email: Text input field
- Phone Number: Text input field
- Resident State: Select dropdown menu set to 'Andhra Pradesh'
- Age Group: Radio button group for '0-20' (selected), '20-40', '41-60', and 'over 60'.
- Membership: Checkbox group for 'AAA' (checked), 'Costoco', 'IEEE', and 'ACM'.
- Comments: Textarea input field
- Buttons: 'Register' and 'Start Over' buttons at the bottom.

2.Design the following web page using Box model properties

Code:

```

<!DOCTYPE html>
<html lang="en">

```

```
<head>
<title>QUESTION 2</title>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<style>
{
  box-sizing: border-box;
}

body {
  font-family: Arial, Helvetica, sans-serif;
  margin-top: 0;
  border: 2px solid black;
}

.header { background-color:#F5DEB3;
  padding: 5px;
  text-align: center;
  font-size: 20px;
  border-bottom: 2px solid black;
  margin-left: 0;
  margin-right: 0;
}

.column { padding:10px;

height: 300px;
}

.column.side {
  background-color: #f8be54;
  position: absolute;
```

```
    top:17.3%;  
    left:0.8%;  
    width:350px;  
    color:blue;  
  
}  
  
.column.middle {  
position: relative;  
top:15%;  
left:25%;  
right:30%;  
width:925px;  
color:rgba(50, 15, 15, 0.9)  
}  
  
.footer {  
  
background-color:#F5DEB3;  
padding: 10px;  
text-align: center;  
border-top: 2px solid black;  
color:rgba(50, 15, 15, 0.9)  
}  
  
img{  
width:200px;  
height:200px;  
position: absolute;  
left:50%;  
top:30%;  
}  
  
</style>
```

```

</head>
<body>
<div class="header">
<h2 style="color:rgba(50, 15, 15, 0.9)">Jake's Cofee Shop</h2>
</div>

<div class="row">
<div class="column side" style="background-color:#FFFACD;">Home<br>Menu<br>Music<br> Jobs
</div>
<div class="column middle" style="background-color: #FFFFBF;"> Come in and experience ... <br>
<ul>
<li>Specialty Coffee and Tea</li>
<li>Freshly made sandwiches</li>
<li>Bagels, Muffins, and Organic Snacks</li>
<li>Music and Poetry Readings</li>
<li>Open mic nights</li>
<li>...</li>
</ul>

23 Pine Road<br>Nottingham, NG1 5YU<br> 0115 9324567 </div>

</div>

<div class="footer">
<p>copyright @ 2018 Jake's Coffee House<br><u>sale@jcofee.com</u></p>
</div>
</body>
</html>

```

OUTPUT:



3.Design the following web page using Box model properties

Code

```
<html>

<h1>Ellensburg Food Coop</h2><br>

<div id="home">
    <a href="home.html">Home</a>

</div>

<div class="abc"> a</div>

<div id="shop">
    <a href="home.html">Shop</a>
</div>

<div class="def"> a</div>

<h2>Shop Online</h2>

<style> body { background-color:yellowgreen;
color: purple;
font-family: Verdana;
}
a{
text-decoration: none;
```

```
color:purple;  
}  
  
.home{  
background-color: rgb(207, 239, 142);  
width:48px;  
}
```

```
#shop{  
background-color: rgb(207, 239, 142);  
position: absolute;  
top:15.3%;  
width : 48px;  
left: 6%;  
}
```

```
.abc{  
width: 10px;  
background-color: navy;  
color: navy;  
position:absolute;  
top:15.3%;  
left:4.4%;  
}
```

```
.def{  
width: 10px;  
background-color: navy;  
color: navy;  
position:absolute;  
top:15.3%;  
left:9.5%;
```

```
}

table, th, td {

border: 2px solid blue; border-collapse: collapse;

} table#t01

{ width:50%;

} table#t01
```

```
th{ background-color:olive;

}

</style>

<body>

<table id="t01">

<colgroup>

<col span="1" style="background-color:olive">

<col style="background-color:rgb(255,219,172);">

<col style="background-color:rgb(255,219,172);">

</colgroup>

<caption>Current Inventory</caption>

<tr>

<th></th>

<th>Member</th>

<th>Non-Member</th>

</tr>

<tr>

<td>Apples</td>

<td>$1.00</td>

<td>$1.50</td>

</tr>

<tr>

<td>Rice</td>
```

```

<td>$0.99</td>
<td>$1.99</td>
</tr>
<tr>
<td>Beans</td>
<td>$2.75</td>
<td>$3.75</td>
</tr>
<tr>
<td>oranges</td>
<td>$2.00</td>
<td>$2.50</td>
</tr>
</table>

<hr style="border-color: blue; border-height:50px; ">
<p>Web design by Full_Name_1 and Full_Name_2</p>
</hr>
</body>
</html>

```

OUTPUT:

Current Inventory		
	Member	Non-Member
Apples	\$1.00	\$1.50
Rice	\$0.99	\$1.99
Beans	\$2.75	\$3.75
oranges	\$2.00	\$2.50

Web design by Full_Name_1 and Full_Name_2

4. Write the JavaScript validation for the HTML form of Q.No.1 with the following conditions:

- a. All the Fields are mandatory, Check whether all the fields are entered otherwise display an alert message to the user.**
- b. First Name and Last Name should not exceed 30 characters and can be only alphabets.**
- c. Phone should not exceed 10 digits and can be only digits.**
- d. Age and Resident state should be selected or checked**
- e. Validate for valid Email address.**

CODE:

```
<!DOCTYPE html>
<html>
<head>
<script type="text/javascript">
function validate()
{
var firstname=document.getElementById("fn").value;
var lastname=document.getElementById("ln").value;
var Email=document.getElementById("email").value;
var phone=document.getElementById("pn").value;
var rstate=document.getElementById("rs").value;
var comments=document.getElementById("Comments");
if(firstname=="" || lastname=="" || Email== ""|| phone=="" || rstate=="" ||comments=="")
{
alert("all fields are mandatory.");
return false;
}
var namereg='[a-zA-Z]{30}/';
if(!(firstname.match(namereg)) || !(lastname.match(namereg)))
{
```

```

alert("name must be less than 30 characeters and alphabets only.");
return false;
}

var phonereg='[0-9]{10}:'
if (!(phone.match(phonereg)))
{
alert("Phone number should not exceed 10 digits and can be only digits.");
return false;
}

if(document.form.age[0].checked==false ||
document.form.age[1].checked==false||document.form.age[2].checked==false
document.form.age[3].checked==false)
||

alert("select proper age group.");
if(document.form.aaa.checked==false || document.form.costoco.checked==false ||
document.form.ieee.checked==false || document.form.acm.checked==false)

alert("select proper membership.");
var emailreg='^[a-zA-Z0-9]+@[a-zA-Z0-9]+\.[a-zA-Z0-9]$/';
if(!(Email.match(emailreg)))
{
alert("Enter Valid Email id.");
return false;
}
}

```

```

</script>
<title>HTML FORM</title>
</head>

<body>
<form name="form" onsubmit="return validate()">
<table align="center">
```

```
<tr>
<td>FirstName</td>
<td><input type="text" size=30 id="fn"></td>
</tr>
<tr>
<td>Last Name</td>
<td><input type="text" size=30 id="ln"></td>
</tr>
<tr>
<td>Email</td>
<td><input type="text" size=30 id="email"></td>
</tr>
<tr>
<td>Phone Number</td>
<td><input type="Number" size=30 id="pn"></td>
</tr>
<tr>
<td>Resident State</td>
<td>
<select id="rs">
<option value="Andhra Pradesh">Andhra Pradesh</option>
<option value="Tamil Nadu">Tamil Nadu</option>
<option value="Maharashtra">Maharashtra</option>
<option value="Karnataka">Karnataka</option>
<option value="Kerala">Kerala</option>
<option value="other">other</option>
</select>
</td>
</tr>
<tr>
```

```
<td>  
Age Group<br>  
<input type="radio" name="age" checked="true">0-20<br>  
<input type="radio" name="age">20-40<br>  
<input type="radio" name="age">41-60<br>  
<input type="radio" name="age">over 60<br></td>  
</tr>
```

```
<tr>  
<td>
```

```
Membership:<br>  
<input type="checkbox" name="aaa" value="AAA" checked="true">AAA  
<input type="checkbox" name="costoco" value="Costoco">Costoco  
<input type="checkbox" name="ieee" value="IEEE">IEEE  
<input type="checkbox" name="acm" value="ACM">ACM<br>  
</td>  
</tr>
```

```
<tr>  
<td>
```

```
Comments<br>  
<textarea rows="5" cols="30" id="Comments"></textarea><br></td></tr>  
<tr>  
<td>
```

```
<input type="submit" name="submit" value="Register">  
<input type="reset" name="reset" value="Start Over"></td>  
</tr>  
</table>  
</form>  
</body>  
</html>
```

OUTPUT:

This page says

First Name: all fields are mandatory.

Last Name:

Email:

Phone Number:

Resident State: Andhra Pradesh

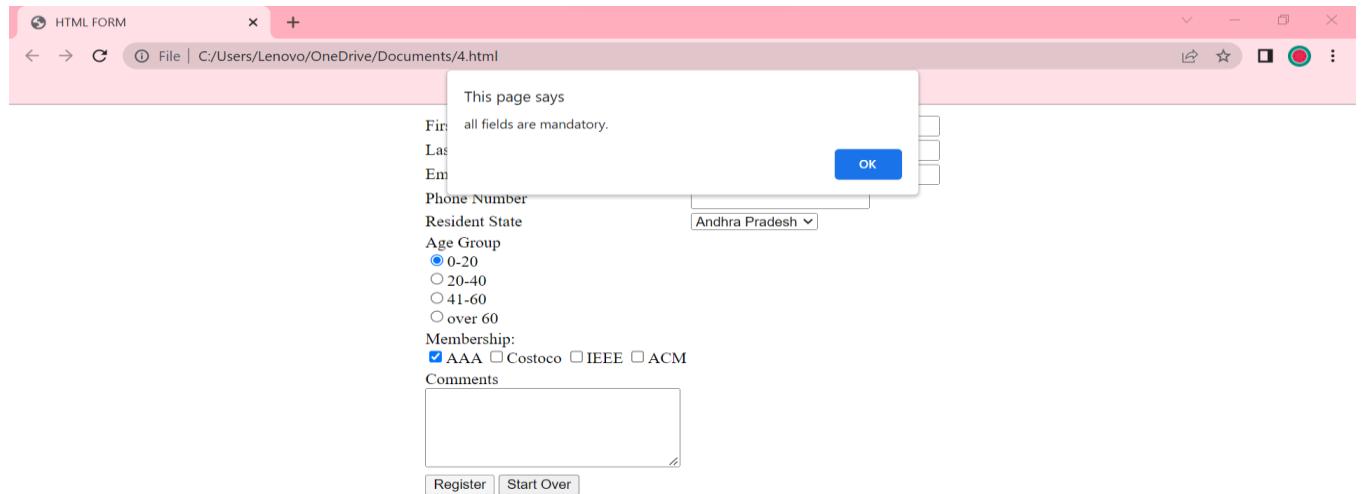
Age Group:

0-20
 20-40
 41-60
 over 60

Membership:

AAA Costoco IEEE ACM

Comments:



This page says

First Name: name must be less than 30 characters and alphabets only.

Last Name:

Email:

Phone Number: 881397918

Resident State: Andhra Pradesh

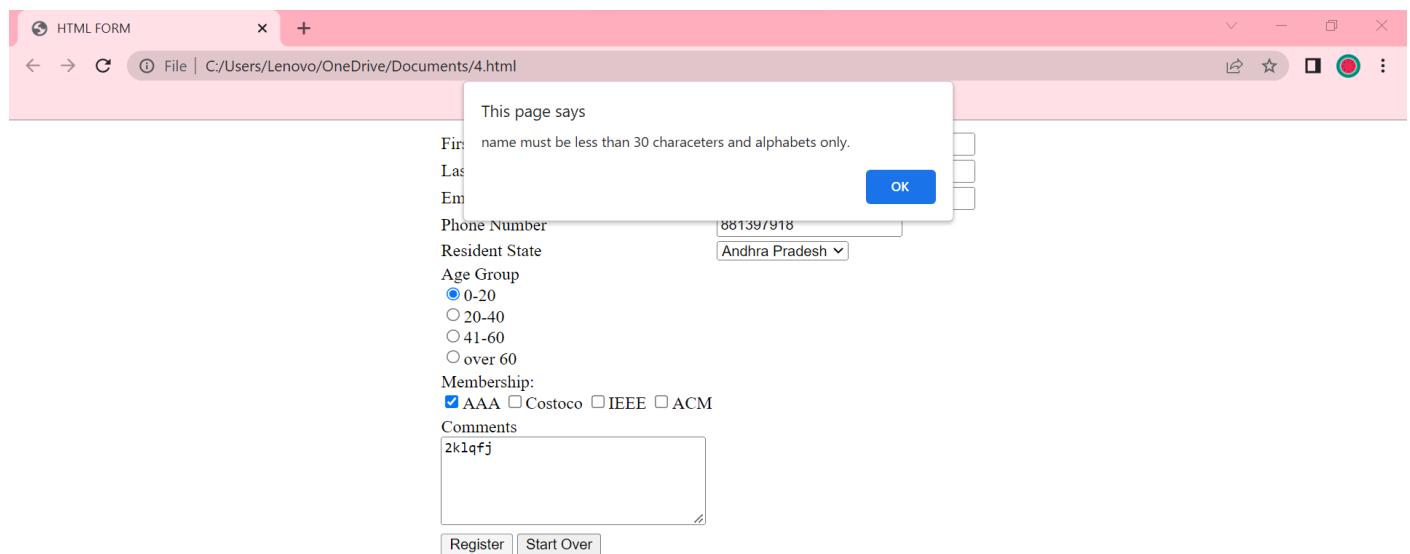
Age Group:

0-20
 20-40
 41-60
 over 60

Membership:

AAA Costoco IEEE ACM

Comments:



5. Write the Javascript code for designing a page to generate an image slide show.

CODE:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8" />
<title>My Slider</title> <style>
type="text/css"> body { margin:
0; background: #e6e6e6;
}
.showSlide {
display: none
}
.showSlide img { width: 100%;
}
.slidercontainer { max-width: 1000px; position: relative; margin: auto; }
.left, .right { cursor: pointer; position: absolute; top: 50%; width:
auto; padding: 16px; margin-top: -22px; color: white; font-
weight: bold; font-size: 18px; transition: 0.6s ease; border-
radius: 0 3px 3px 0;
}
.right { right: 0;
border-radius: 3px 0 0 3px;
}
.left:hover, .right:hover {
background-color: rgba(115, 115, 115, 0.8);
}
.content { color: #eff5d4; font-size: 30px; padding:
8px 12px; position: absolute; top: 10px; width:
```

```
100%; text-align: center;
}

.active {
background-color: #717171;
}

/* Fading animation */

.fade {
-webkit-animation-name: fade;
-webkit-animation-duration: 1.5s; animation-name: fade; animation-duration:
1.5s;
}

@-webkit-keyframes fade { from {
opacity: .4 }

to { opacity: 1
}

}

@keyframes fade { from {
opacity: .4 }

to { opacity: 1
}

}

</style>

</head>

<body>

<div class="slidercontainer">

<div class="showSlide fade">



<div class="content">Slide1 heading</div>

</div>

<div class="showSlide fade">
```

```

<div class="content">Slide2 heading</div>
</div>

<div class="showSlide fade">

<div class="content">Slide3 heading</div>
</div>

<div class="showSlide fade">

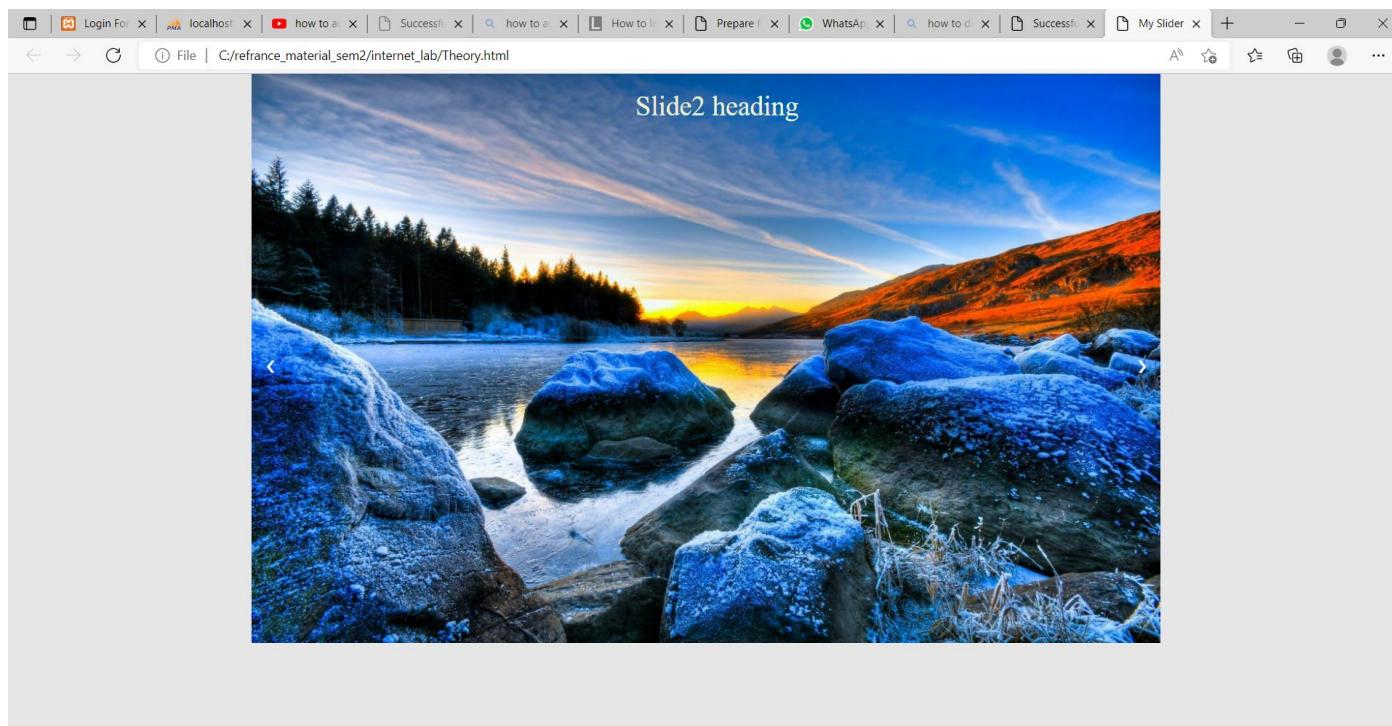
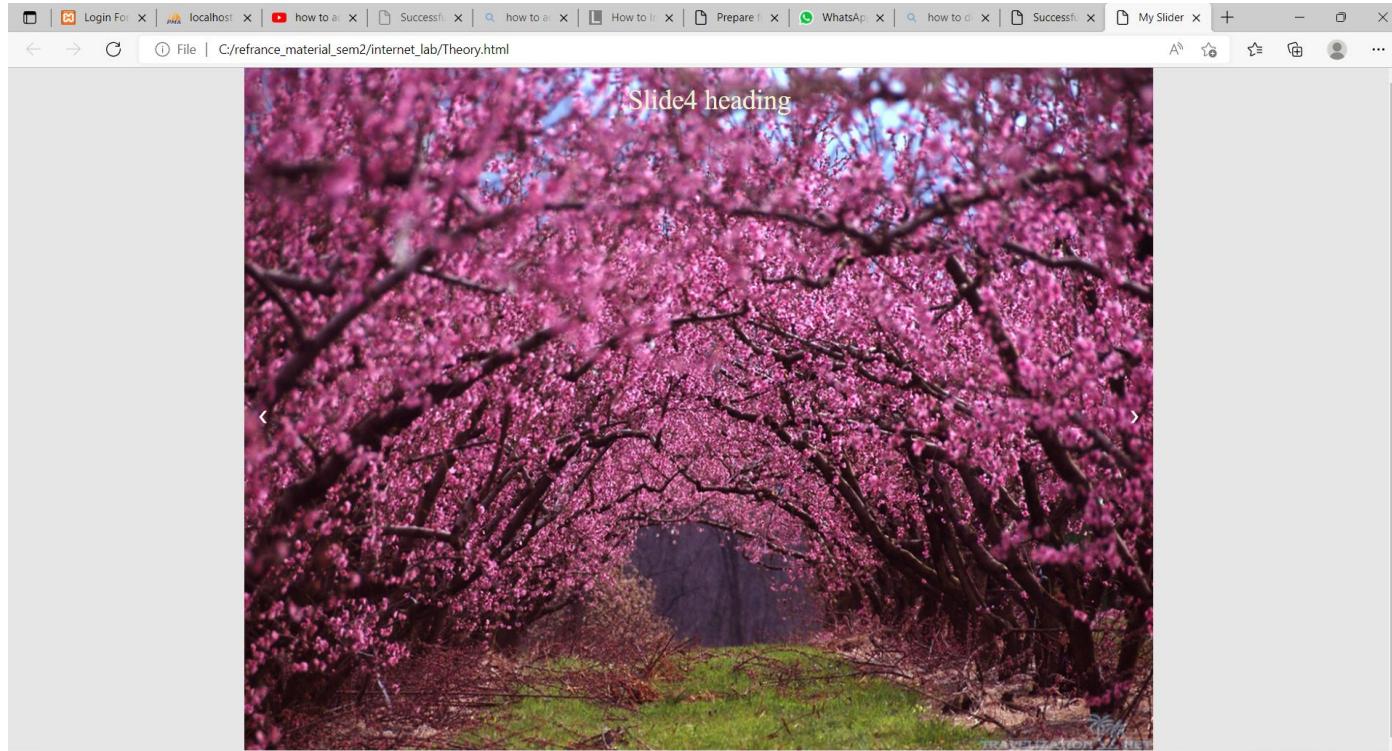
<div class="content">Slide4 heading</div>
</div>

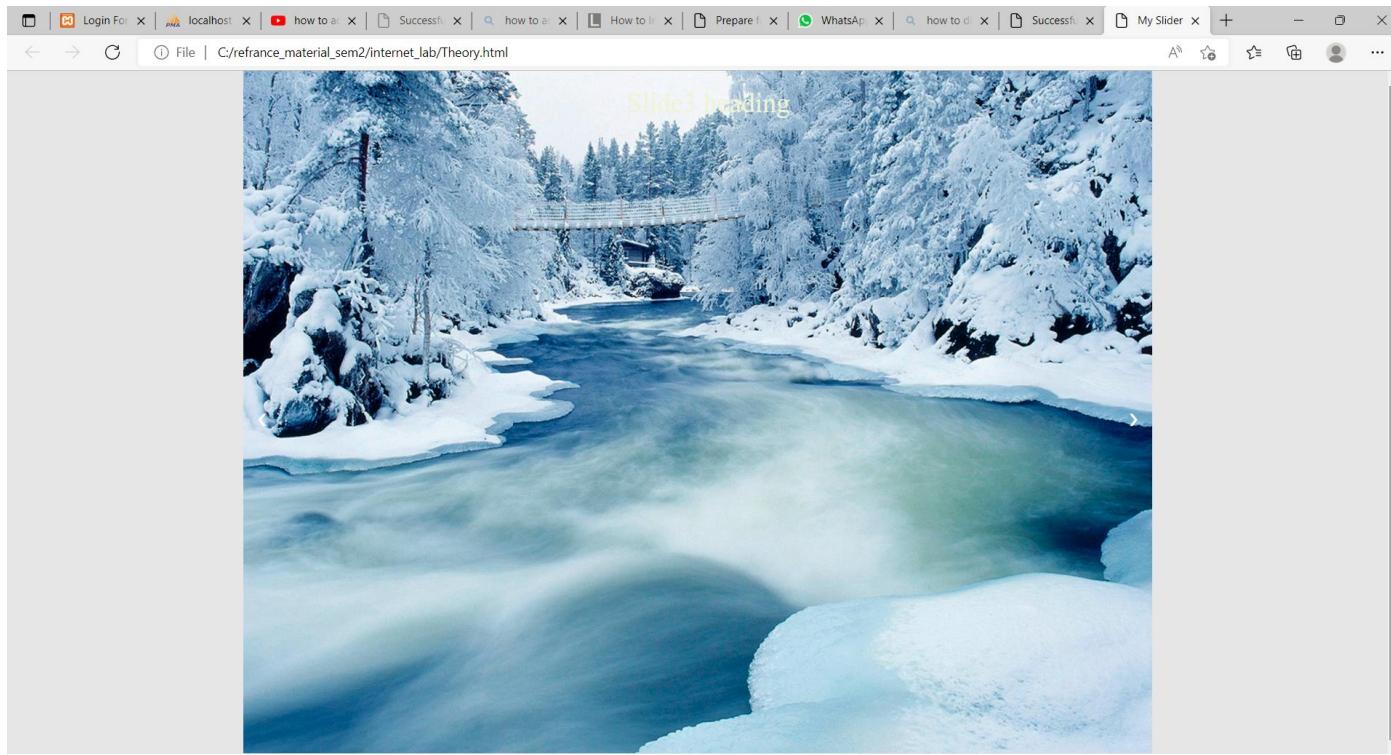
<!-- Navigation arrows -->
<a class="left" onclick="nextSlide(-1)">< </a>
<a class="right" onclick="nextSlide(1)">> </a>
</div>

<script type="text/javascript"> var slide_index = 1; displaySlides(slide_index); function nextSlide(n)
{
    displaySlides(slide_index += n);
}
function currentSlide(n) { displaySlides(slide_index = n);
}
function displaySlides(n) { var i;
var slides = document.getElementsByClassName("showSlide"); if (n > slides.length) { slide_index = 1 } if (n < 1) { slide_index = slides.length } for (i = 0; i < slides.length; i++) { slides[i].style.display = "none";
}
slides[slide_index - 1].style.display = "block";
}
</script>
</body>
```

</html>

OUTPUT:



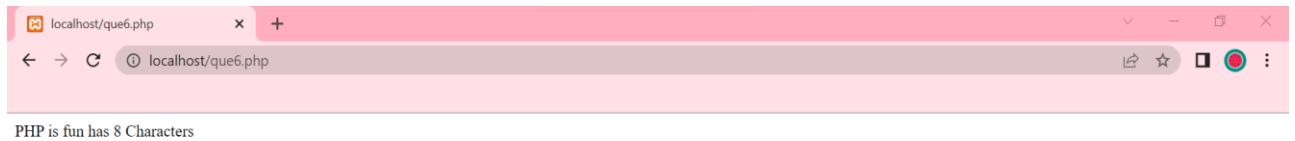


6. Declare a string variable with the value “ PHP is fun ” (note the leading and trailing spaces). Write code to display the number of characters as “String has x characters” where x is the number (minus any spaces at the start or end of the string).

CODE:

```
<?php  
$str=" PHP is fun ";  
$count=strlen($str);  
$space_count=substr_count($str," ");  
$x=$count-$space_count; echo  
$str." has ".$x." Characters";  
?>
```

OUTPUT:

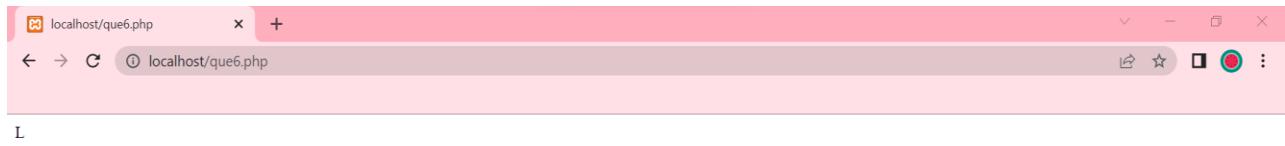


7. Use the strpos() function to find and print the first letter after the first occurrence of the sequence WWW. E.g. for “WDWWLWWWLDDWDLL” the answer is L.

CODE:

```
<?php  
$string="WDWWLWWWLDDWDLL";  
$x=strpos($string,"WWW");  
echo $string[$x+3];  
?>
```

OUTPUT:



8. countWords (\$str) PHP function. That takes any string of characters and finds the number of times each word occurs, its position and length. Take the output and display of an HTML table of words, the number of times they occur, its position and its length. Make the table sorted by decreasing number of occurrences.

CODE :

```
<?php  
  
function countwords($str)  
{  
    echo "the given string is ".$str."<br>";  
    echo str_word_count($str)." words are there in a string."<br>";  
    $array_of_words=explode(" ", $str);  
    echo "<table border='1'>  
    <tr>  
    <th>word</th>
```

```

<th>occurrence</th>
<th>position</th>
<th>length</th>
</tr>";
$i=0;
while ($i < str_word_count($str)) {
$temp=$array_of_words[$i];
echo "<tr><td>".$temp."</td><td>".substr_count($str,$temp)."</td><td>".strpos($str,$temp)."</td>
<td>".strlen($temp)."</td></tr>";
$i=$i+1;
}
echo "</table>";
}
countwords("this is the php program");
?>

```

OUTPUT:

word	occurrence	position	length
this	1	0	4
is	2	2	2
the	1	8	3
php	1	12	3
program	1	16	7

9. Write a script which will display the following string "The memory of that scene for me is like a frame of film forever frozen at that moment: the red carpet, the green lawn, the white house, the leaden sky. The new president and his first lady. - Richard M. Nixon" and the words 'red', 'green' and 'white' will come from \$color.

CODE:

```
<?php
```

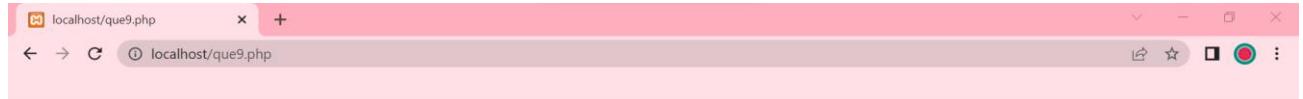
```
$color=["red","green","white"];
```

```
echo "The memory of that scene for me is like a frame of film forever frozen at that  
moment: the " . $color[0]. " carpet, the " . $color[1]. " lawn, the " . $color[2]. "house, the  
leaden sky. The new president and his first lady. -
```

```
Richard M. Nixon";
```

```
?>
```

OUTPUT:



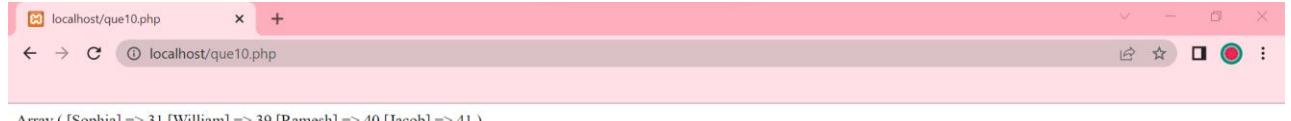
The memory of that scene for me is like a frame of film forever frozen at that moment: the red carpet, the green lawn, the whitehouse, the leaden sky. The new president and his first lady. - Richard M. Nixon

**10. Write a PHP script to sort the following associative array
array("Sophia"=>"31","Jacob"=>"41","William"=>"39","Ramesh
"=>"40") in a) ascending order sort by value b) ascending order sort
by Key c) descending order sorting by Value d) descending order
sorting by Key**

CODE:

```
<?php  
  
$arr = array("Sophia" =>"31","Jacob"=>"41","William"=>"39","Ramesh"=>"40");  
  
asort($arr);  
  
print_r($arr);  
  
echo "<br>";  
  
ksort($arr);  
  
print_r($arr);  
  
echo "<br>";  
  
arsort($arr);  
  
print_r($arr);  
  
echo "<br>";  
  
krsort($arr);  
  
print_r($arr);  
  
?>
```

OUTPUT:



A screenshot of a web browser window titled "localhost/que10.php". The address bar also shows "localhost/que10.php". The content area displays the following PHP output:

```
Array ( [Sophia] => 31 [William] => 39 [Ramesh] => 40 [Jacob] => 41 )
Array ( [Jacob] => 41 [Ramesh] => 40 [Sophia] => 31 [William] => 39 )
Array ( [Jacob] => 41 [Ramesh] => 40 [William] => 39 [Sophia] => 31 )
Array ( [William] => 39 [Sophia] => 31 [Ramesh] => 40 [Jacob] => 41 )
```

10. Created a table in your MySQL database on the class server called birthday,which has fields like this.

Code:



A screenshot of a terminal window titled "XAMPP for Windows - mysql.exe -u root -p". The session starts with:

```
MariaDB [(none)]> use que11;
Database changed
```

Then it runs the command to create the "Birthday" table:

```
MariaDB [que11]> create table Birthday(thename varchar(30) primary key,
-> themonth int(11),
-> theday int(11),
-> theyear int(11));
Query OK, 0 rows affected (0.026 sec)
```

Next, it runs the command to describe the "Birthday" table:

```
MariaDB [que11]> desc Birthday;
```

Field	Type	Null	Key	Default	Extra
thename	varchar(30)	NO	PRI	NULL	
themonth	int(11)	YES		NULL	
theday	int(11)	YES		NULL	
theyear	int(11)	YES		NULL	

It shows 4 rows in set (0.017 sec).

Finally, it runs the command to insert data into the "Birthday" table:

```
MariaDB [que11]> insert into Birthday values("Arya",10,10,2000);
Query OK, 1 row affected (0.009 sec)
```

```
MariaDB [que11]>
```

The screenshot shows the phpMyAdmin interface with the following details:

- Server:** 127.0.0.1
- Database:** que11
- Table:** birthday
- Structure View:** Shows the table structure with columns:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	thename	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
2	themonth	int(11)			Yes	NULL			Change Drop More
3	theday	int(11)			Yes	NULL			Change Drop More
4	theyear	int(11)			Yes	NULL			Change Drop More
- Indexes View:** Shows a primary key index named 'PRIMARY' on the 'thename' column.

12. Write a PHP script that will connect to your MySQL database and query your birthday table, selecting all the rows and columns. Display the results as an HTML table in a web page.

Code :

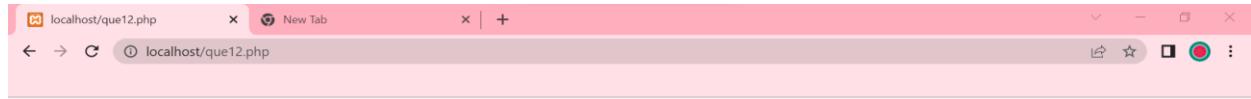
```
<?php
$servername = "localhost";
<?php
$server="localhost";
$username="root";
$password="";
$db="q11";
$con = mysqli_connect("$server","$username","$password","$db") or die ("Error in database connection");
$query="select * from birthday";
$result = mysqli_query($con,$query) or die("Error in database reading");
echo "<table border='1'>
<tr>
```

```

<th>thename</th>
<th>themonth</th>
<th>theday</th>
<th>theyear</th>
</tr>";
while($row =mysqli_fetch_array($result))
{ echo"<tr>";
echo "<td>" . $row["thename"] . "</td>";
echo "<td>" . $row["themonth"] . "</td>";
echo "<td>" . $row["theday"] . "</td>"; echo
"<td>" . $row["theyear"] . "</td>"; echo
"</tr>";
}
echo "</table>";
mysqli_close($con);
?>

```

OUTPUT:



A screenshot of a web browser window titled "localhost/que12.php". The address bar shows the same URL. The main content area displays a table with four columns: "thename", "themonth", "theday", and "theyear". There are two rows of data: one for "Arya" with values 10, 10, and 2000, and another for "Sara" with values 1, 5, and 2010.

thename	themonth	theday	theyear
Arya	10	10	2000
Sara	1	5	2010

13. Create an HTML form with fields for someone to enter their name and the month, day and year of their birthday. a. Read that data into PHP variables, and then form them into a MySQL INSERT statement. b. Execute the statement and call mysql_affected_rows() to make sure that the INSERT statement worked properly. c. Then execute the first query statement above, that gets all the rows and columns from the birthday table and displays them as an HTML table. Make sure that the new person has been added correctly.

CODE:

```
<?php

if (isset($_POST["sub"])){
    $server="localhost";
    $username="root";
    $password="";
    $db="que11";
    $con = mysqli_connect("$server","$username","$password","$db") or die ("Error in database connection");
    $name=$_POST["name"];
    $month=$_POST["month"];
    $day=$_POST["day"];
    $year=$_POST["year"];
    $queryi = "INSERT INTO Birthday values('$name','$month','$day','$year')";
    $result = mysqli_query($con,$queryi);
    $num_rows = 1;
    echo $num_rows."rows in database are affected";
    $query2="select * from birthday";
    $fullresult=mysqli_query($con,$query2); echo
    "<table border='1'>
        <tr>
            <th>thename</th>
            <th>themonth</th>
```

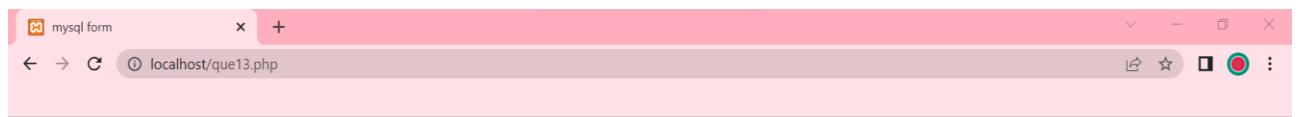
```

<th>theday</th>
<th>theyear</th>
</tr>"; while($row =
mysql_fetch_array($fullresult))
{
echo "<tr>";
echo "<td>" . $row["thename"] . "</td>";
echo "<td>" . $row["themonth"] . "</td>";
echo "<td>" . $row["theday"] . "</td>";
echo "<td>" . $row["theyear"] . "</td>";
echo "</tr>"; } echo "</table>";
}
?>

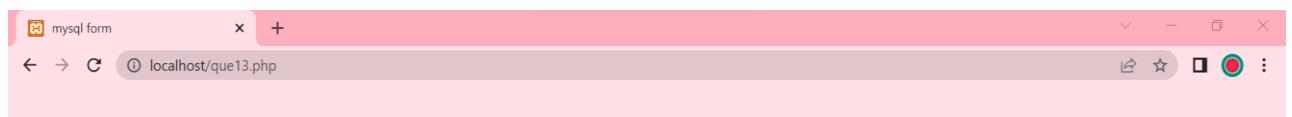
<!DOCTYPE html>
<html>
<head>
<title>mysql form</title>
</head>
<body align="center">
<form method="post"> name:<input type="text"
name="name"><br> month:<input type="number"
name="month"><br>
day:<input type="number" name="day"><br>
year:<input type="number" name="year"><br>
<input type="submit" name="sub" value="submit">
</form>
</body>
</html>

```

OUTPUT:



name:
month:
day:
year:



thename	themonth	theday	theyear
Arya	10	10	2000
Sam	4	9	1999
Sara	1	5	2010

1 rows in database are affected

name:
month:
day:
year:

```

c:\XAMPP for Windows - mysql.exe -u root -p
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use que11;
Database changed
MariaDB [que11]> create table Birthday(thename varchar(30) primary key,
-> themonth int(11),
-> theday int(11),
-> theyear int(11));
Query OK, 0 rows affected (0.026 sec)

MariaDB [que11]> desc Birthday;
+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| thename | varchar(30) | NO   | PRI | NULL    |       |
| themonth | int(11)    | YES  |     | NULL    |       |
| theday   | int(11)    | YES  |     | NULL    |       |
| theyear  | int(11)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+
4 rows in set (0.017 sec)

MariaDB [que11]> insert into Birthday values("Arya",10,10,2000);
Query OK, 1 row affected (0.009 sec)

MariaDB [que11]> insert into Birthday values("Sara",1,5,2010);
Query OK, 1 row affected (0.002 sec)

MariaDB [que11]> select * from Birthday;
+-----+-----+-----+
| thename | themonth | theday | theyear |
+-----+-----+-----+
| Arya   |      10 |     10 |    2000 |
| Sam    |       4 |      9 |    1999 |
| Sara   |       1 |      5 |    2010 |
+-----+-----+-----+
3 rows in set (0.000 sec)

MariaDB [que11]>

```

Q-14 Write a PHP file that will output a form containing two fields: **username** and **password**. Upon submission of the form, the code should check against the database to see whether the username password pair was correct. If so, display a welcome message. If not, display the message “**Invalid username or password**” followed by the same login form. Add a “**Log Out**” button to the welcome message that, when clicked, ends the session so that the user is logged out. Clicking the button should redirect the user to the same login form. This behavior should be consistent with the lifetime of sessions. That is, the user should stay logged in despite refreshing and opening the same page in multiple tabs, but should be logged out once the browser is closed.

Code:

```
<?php
```

```
$insert=";

if(isset($_POST['Login'])){
    $server="localhost";
    $username="root";
    $password="";
    $db_name="login";
    $conn=mysqli_connect($server,$username,$password);
    mysqli_select_db($conn,$db_name);
    $usname=$_POST['Username'];
    $pass=$_POST['password'];
    $query="SELECT * from customer where Username='$usname' and password='$pass'";
    $result=mysqli_query($conn,$query);
    if(!$result){
        echo "error".mysqli_error($conn);
    }
    $count=mysqli_num_rows($result);
    if($count>0){
        $insert='true';
    }
    else{
        $insert='false';
    }
    mysqli_close($conn);
}
else if(isset($_POST["logout"])){
    { echo "you have logged out from the website"; }

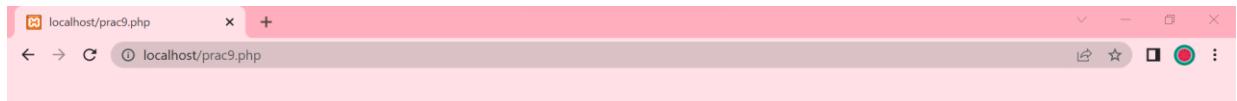
?>
<!DOCTYPE html>
<html>
<body>
```

```
<h3>Welcome To login form</h3>
<p>Enter your confidential details</p>

<form method="post" action="prac9.php" id="form2">
    Username: <input type="text" name="Username" id="name" placeholder="Enter
your Username"><br><br>
    Password: <input type="text" name="password" id="age" placeholder="Enter
your password"><br><br>
    <input type="Submit" name="Login" class="btn" value="Login"><br><br>
    <input type="submit" name="logout" value="logout">
<?php
    if($insert == 'true'){
        echo "<p>Login Successful</p>";
    }
    else if($insert == 'false'){
        echo "<p>Login unsucessful</p>";
    }
?>

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

OUTPUT:

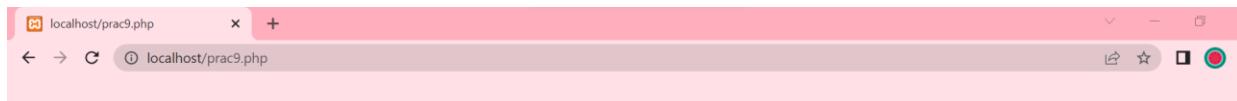


Welcome To login form

Enter your confidential details

Username:

Password:

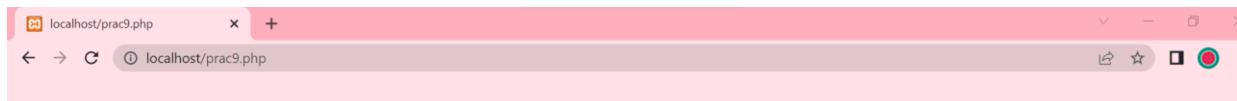


Welcome To login form

Enter your confidential details

Username:

Password:



Welcome To login form

Enter your confidential details

Username:

Password:

Login Successful



15. Take your J-component Project web application check/test it for vulnerabilities using Vooki API Scanner tool. Give the report on vulnerabilities and its prevention solution for your web application.

Scan information

Target	http://localhost/elearning_web/
Scan Type	Basic Scan
Scan Status	Completed
Start Time	10-Jun-2022 12:21:45 PM
End Time	10-Jun-2022 12:23:10 PM
Scan Duration	0:1:24
Report Type	Standard
Requests	202

Vulnerability Findings

No	Vulnerability	Risk	Severity	Occurrences
1	Insecure communication	High	High	1

2	Directory listing	High	High	1
3	Using Components with Known Vulnerabilities - jQuery.js version less than 3.5.0	Medium	Medium	1
4	Using Components with Known Vulnerabilities - bootstrap.js less than 3.4.1	Medium	Medium	1
5	Sensitive information disclosure in response headers - x-powered-by	Medium	Medium	2
6	Sensitive information disclosure in response headers - server	Medium	Medium	2
7	Missing security headers - X-Frame-Options	Low	Low	2
8	Missing security headers - X-Content-Type-Options	Low	Low	2
9	Missing httponly flag in the set-cookie	Low	Low	7
10	Missing Content Security Policy in response header	Low	Low	2
11	HTTP trace support detected	Low	Low	1
12	Autocomplete on sensitive fields	Low	Low	3
13	Autocomplete on password fields	Low	Low	3
14	Old Version of JQuery Detected	Information	Information	1
15	Old Version of Bootstrap Detected	Information	Information	1
16	Missing security headers - X-XSS-Protection	Information	Information	2
17	Missing header - Permissions-Policy	Information	Information	2

18	Missing header - Expect-CT	Information	Information	2
19	Cross-Domain JavaScript source file inclusion	Information	Information	1

Payloads and Evidence are highlighted in the red color

Findings: 1 Insecure communication

Risk	Severity	CVSSv3 Score	Occurrences
High	High	7.5	1
Description			
Vooki detected insecure communication vulnerability in the URL http://localhost/elearning_web/index.php . Insecure communications are when a client and server communicate over a non-secure (unencrypted) channel. Without encrypting the channel, the developer can't guarantee the integrity of the data.			
Remediation Make sure all client-to-server connections are encrypted with SSL.			
Classification: OWASP 2021: A5, OWASP 2017: A6, OWASP API 2019: API7, PCI-DSS: 3.2.1-6.5.4, CWE: 319 CVSS Vector: CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:N Url http://localhost/elearning_web/index.php Occurrences in this Url 1			
Request	Response		
Method: GET	date: Fri, 10 Jun 2022 06:52:14 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=100		

Findings: 2 Directory listing

Risk	Severity	CVSSv3 Score	Occurrences
High	High	7.5	1
Description			
Vooki detected the directory listing in the application URL http://localhost/elearning_web/image/ . A directory listing is a type of Web page that lists files and directories that exist on a directory. A directory listing provides an attacker with the complete list of the resources located inside of the directory.			
Reference: https://owasp.org/www-project-top-ten/2017/A6_2017-Security_Misconfiguration			
Remediation Disable directory listing.			
Classification: OWASP 2021: A5, OWASP 2017: A6, OWASP API 2019: API7, PCI-DSS: 3.2.1-6.5.8, CWE: 548 CVSS Vector: CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:N Url http://localhost/elearning_web/image/ Occurrences in this Url 1			
Request	Response		
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 content-length: 2540 keep-alive: timeout=5, max=87 connection: Keep-Alive content-type: text/html;charset=UTF-8 status code: 200		

Findings: 3 Using Components with Known Vulnerabilities - jQuery.js version less than 3.5.0

Risk	Severity	CVSSv3 Score	Occurrences
Medium	Medium	5.3	1
Description			
Vooki detected the jQuery version (3.1.1) used in the URL http://localhost/elearning_web/js/jquery-3.1.1.min.js that has known vulnerability as per the following reference.			
Reference: https://blog.jquery.com/2020/04/10/jquery-3-5-0-released/			
Remediation Upgrade jQuery to the latest version.			
Classification: OWASP 2021: A6, OWASP 2017: A9, OWASP API 2019: API9, PCI-DSS: 3.2.1-6.2, CWE: 1035 CVSS Vector: CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:N/A:N Url http://localhost/elearning_web/js/jquery-3.1.1.min.js Occurrences in this Url 1			
Request	Response		
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 last-modified: Mon, 09 Aug 2021 05:25:25 GMT etag: "152b5-5c9199cc3db40" accept-ranges: bytes content-length: 86709 keep-alive: timeout=5, max=69 connection: Keep-Alive		

Findings: 4 Using Components with Known Vulnerabilities - bootstrap.js less than 3.4.1

Risk	Severity	CVSSv3 Score	Occurrences
Medium	Medium	5.3	1
Description			
Vooki detected bootstrap.js (v3.3.7) used in the URL http://localhost/elearning_web/js/bootstrap.min.js that has known vulnerability as per the following reference.			
Reference: https://github.com/twbs/bootstrap/issues/28236 https://github.com/twbs/bootstrap/issues/20184 https://github.com/twbs/bootstrap/pull/3421			
Remediation Upgrade bootstrap.js to the latest version			
Classification: OWASP 2021: A6, OWASP 2017: A9, OWASP API 2019: API9, PCI-DSS: 3.2.1-6.2, CWE: 1035 CVSS Vector: CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:N/A:N Url http://localhost/elearning_web/js/bootstrap.min.js Occurrences in this Url 1			
Request	Response		
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 last-modified: Mon, 09 Aug 2021 05:25:25 GMT etag: "90b5-5c9199cc3db40" accept-ranges: bytes content-length: 37045		

Findings: 5 Sensitive information disclosure in response headers - x-powered-by

Risk	Severity	CVSSv3 Score	Occurrences
Medium	Medium	5.3	2
Description			
Vooki detected a Sensitive information disclosure in the x-powered-by in the URL http://localhost/elearning_web . Check the highlighted x-powered-by header in the response section. Information gathering is a type of attack during which the attackers send requests to the server to gather more information. If the server is not configured correctly, it may leak information about itself, such as the server version, PHP/ASP.NET version, OpenSSH version. These issues are not exploitable in most cases but are considered web application security issues because they allow attackers to gather the information that can be used later in the attack lifecycle.			
Remediation			
<ul style="list-style-type: none"> Remove the unnecessary information from HTTP response headers related to the OS, web server version, and application frameworks. Ensure that your web server does not send out response headers or background information that reveals technical details about the back-end technology type, version, or setup. 			
Classification: OWASP 2021: A5, OWASP 2017: A6, OWASP API 2019: API7, PCI-DSS: 3.2.1-6.5, CWE: 212			
CVSS Vector: CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N			
Url http://localhost/elearning_web			
Occurrences in this Url 1			
Request	Response		
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=a9jv9iadcj1951ob8cclcj7ff; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate		

Findings: 6 Sensitive information disclosure in response headers - server

Risk	Severity	CVSSv3 Score	Occurrences
Medium	Medium	5.3	2
Description			
Vooki detected a Sensitive information disclosure in the server in the URL http://localhost/elearning_web . Check the highlighted server header in the response section. Information gathering is a type of attack during which the attackers send requests to the server to gather more information. If the server is not configured correctly, it may leak information about itself, such as the server version, PHP/ASP.NET version, OpenSSH version. These issues are not exploitable in most cases but are considered web application security issues because they allow attackers to gather the information that can be used later in the attack lifecycle.			
Remediation			
<ul style="list-style-type: none"> Remove the unnecessary information from HTTP response headers related to the OS, web server version, and application frameworks. Ensure that your web server does not send out response headers or background information that reveals technical details about the back-end technology type, version, or setup. 			
Classification: OWASP 2021: A5, OWASP 2017: A6, OWASP API 2019: API7, PCI-DSS: 3.2.1-6.5, CWE: 212			
CVSS Vector: CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N			
Url http://localhost/elearning_web			
Occurrences in this Url 1			
Request	Response		
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=a9jv9iadcj1951ob8cclcj7ff; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate		

Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=a9jy9iadcj1951ob8cclcjr7ff; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=79
Url	http://localhost/elearning_web/index.php
Occurrences in this Url	1
Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=30j9625g9qr3lqa7dcath485bh; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=85

Findings: 7 Missing security headers - X-Frame-Options

Risk	Severity	CVSSv3 Score	Occurrences
Low	Low	3.1	2
Description			

Findings: 7 Missing security headers - X-Frame-Options

Risk	Severity	CVSSv3 Score	Occurrences
Low	Low	3.1	2
Description			
Vooki detected that X-Frame-Options security header is missing in the URL http://localhost/elearning_web . There are some HTTP response headers that your application can use to increase security of your application. Once set, these HTTP response headers can restrict modern browsers from running into easily preventable vulnerabilities.			
X-Frame-Options: The 'X-Frame-Options' HTTP response header can be used to indicate whether browsers should be allowed to render a page in a <frame>, <iframe>, <embed>, or <object>. <p>Values of 'X-Frame-Options' header:</p> X-Frame-Options: DENY X-Frame-Options: SAMEORIGIN <p>DENY: If 'X-Frame-Options: DENY' is specified, the page cannot be displayed in a frame, regardless of the site attempting to do so. SAMEORIGIN: If 'X-Frame-Options: SAMEORIGIN' is specified, the page can only be displayed in a frame on the same origin as the page itself.</p> Remediation It's recommended to implement the 'X-Frame-Options' security header with 'deny' or 'sameorigin' value. Reference https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/X-Frame-Options https://www.owasp.org/index.php/OWASP_Secure_Headers_Project#xcto			
Classification: OWASP 2021: A5, OWASP 2017: A6, OWASP API 2019: API7, PCI-DSS: 3.2.1-6.5, CWE: 693 CVSS Vector: AV:N/AC:H/Au:N/C:P/I:N/A:N			

CVSS Vector:	AV:N/AC:H/Au:N/C:P/I:N/A:N
Url	http://localhost/elearning_web
Occurrences in this Url	1
Request	Response
Method: GET	<p>date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=pi5u9ma0m67ueq8q740g359ova; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=78</p>
Url	http://localhost/elearning_web/index.php
Occurrences in this Url	1
Request	Response
Method: GET	<p>date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=7ta0ko0p04mj1grhpl5ahbt9pm; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=84</p>

Findings: 8 Missing security headers - X-Content-Type-Options

Risk	Severity	CVSSv3 Score	Occurrences
Low	Low	3.1	2

Description

Vooki detected that x-content-type-options security header is missing in the URL http://localhost/elearning_web. There are some HTTP response headers that your application can use to increase security of your application. Once set, these HTTP response headers can restrict modern browsers from running into easily preventable vulnerabilities.

The 'X-Content-Type-Options' response HTTP header indicates the browser that the MIME types in the Content-Type headers should not be changed and be followed.

Example: X-Content-Type-Options: nosniff

If 'X-Content-Type-Options: nosniff' is specified in the response header, the browser checks the content type and blocks the request if the content type is mismatched.

Remediation

It's recommended to implement the x-content-type-options security header.

Reference

<https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/X-Content-Type-Options>

https://www.owasp.org/index.php/OWASP_Secure_Headers_Project#xcto

Classification: OWASP 2021: A5, OWASP 2017: A6, OWASP API 2019: API7, PCI-DSS: 3.2.1-6.5, CWE: 693

CVSS Vector: AV:N/AC:H/Au:N/C:P/I:N/A:N

Url

http://localhost/elearning_web

Occurrences in this Url

Request	Response
Method: GET	<p>date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=pi5u9ma0m67ueq8q740g359ova; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=78</p>
Url	http://localhost/elearning_web/index.php
Occurrences in this Url	1
Request	Response
Method: GET	<p>date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=7ta0ko0p04mj1grhpl5ahbt9pm; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=84</p>

Findings: 9 Missing httponly flag in the set-cookie

Risk	Severity	CVSSv3 Score	Occurrences
Low	Low	3.1	7

Description
Vooki detected the set-cookie has been set without HttpOnly flag in the application url http://localhost/elearning_web. HttpOnly flag is an option that can be set by the application server when sending a new cookie to the browser within a HTTP Response. The purpose of HttpOnly flag is to prevent the cookie from being used by the client-side script (JavaScript).

Remediation
Implement HttpOnly flag on all the cookies.

Classification: OWASP 2021: A5, OWASP 2017: A6, OWASP API 2019: API7, PCI-DSS: 3.2.1-6.5, CWE: 1004
CVSS Vector: AV:N/AC:H/PR:N/UI:R/S:U/C:L/I:N/A:N
Url http://localhost/elearning_web
Occurrences in this Url 1

Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=7chsbqhq2fornfvos4r7d8tej; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=82

Url	http://localhost/elearning_web/index.php
Occurrences in this Url	1
Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=el8eubabuuftmcl1vi688qlidr; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=68

Url http://localhost/elearning_web/AboutCoachingC.php
Occurrences in this Url 1

Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=pbl280bk81kpu8dku0c239nadp; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=82

Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=lb54b460qhdfkb7i84nusmv52f; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=78

Url	http://localhost/elearning_web/quiz.php
Occurrences in this Url	1
Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=aa1qr77vn9e48hc7uirk5mi7r; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache content-length: 6826

Url http://localhost/elearning_web/samplepap.php
Occurrences in this Url 1

Url	http://localhost/elearning_web/samplepap.php
Occurrences in this Url 1	
Request	Response
Method: GET	
	date: Fri, 10 Jun 2022 06:53:09 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=s0b9h76hpq011aip534r5l1o66; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache content-length: 6550
Url	http://localhost/elearning_web/papers.php
Occurrences in this Url 1	
Request	Response
Method: GET	
	date: Fri, 10 Jun 2022 06:53:09 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=b63eib307iq32me2tdch0tnbhk; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache content-length: 6032

Findings: 10 Missing Content Security Policy in response header

Risk	Severity	CVSSv3 Score	Occurrences
Low	Low	3.1	2
Description			
Vooki detected that the Content Security Policy (CSP) is missing in the response header of the URL http://localhost/elearning_web . It is an added layer of security that helps to detect and mitigate data injection and Cross Site Scripting (XSS) vulnerabilities.			
Remediation			
It's recommended to include the Content Security Policy (CSP) header in the response.			
Reference			
https://developer.mozilla.org/en-US/docs/Web/HTTP/CSP			
https://cheatsheetsseries.owasp.org/cheatsheets/Content_Security_Policy_Cheat_Sheet.html			
Classification: OWASP 2021: A5, OWASP 2017: A6, OWASP API 2019: API7, PCI-DSS: 3.2.1-6.5, CWE: 693			
CVSS Vector: AV:N/AC:H/PR:N/UI:R/S:U/C:L/I:N/A:N			
Url http://localhost/elearning_web			
Occurrences in this Url 1			
Request	Response		
Method: GET		date: Fri, 10 Jun 2022 06:51:48 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 location: http://localhost/elearning_web/ content-length: 338 keep-alive: timeout=5, max=100 connection: Keep-Alive content-type: text/html; charset=iso-8859-1	

Url	http://localhost/elearning_web/index.php
Occurrences in this Url	1
Request	Response
Method: GET	<p>date: Fri, 10 Jun 2022 06:52:14 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=100 connection: Keep-Alive</p>

Findings: 11 HTTP trace support detected

Risk	Severity	CVSSv3 Score	Occurrences
Low	Low	3.1	1

Description

Vooki detected an HTTP trace in the application URL http://localhost/elearning_web. TRACE method allows the client to see what is being received at the other end of the request chain. This method is designed for diagnostic purposes. But this can lead to Cross-Site Tracing.

Remediation

Enabling the trace method is not a vulnerable activity, but it's better to disable the TRACE method unless it's necessary.

Classification: OWASP 2021: A5, OWASP 2017: A6, OWASP API 2019: API7, PCI-DSS: 3.2.1-6.5, CWE: 670
CVSS Vector: AV:N/AC:H/PR:N/UI:R/S:U/C:L/I:N/A:N

Url http://localhost/elearning_web



Request	Response
Method: TRACE	<p>date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 keep-alive: timeout=5, max=75 connection: Keep-Alive transfer-encoding: chunked content-type: message/http status code: 200</p>

Findings: 12 Autocomplete on sensitive fields

Risk	Severity	CVSSv3 Score	Occurrences
Low	Low	3.1	3

Description

Vooki detected an autocomplete vulnerability on sensitive fields in the URL http://localhost/elearning_web/registration.php. By default, browsers remember information and store in local memory whatever user submits through input fields on websites. This mechanism enables the browser to offer autocompletion and autofill. The attacker can capture the stored information if the attacker gains access to the user's computer.

Remediation

Include the attribute autocomplete = 'off' in the username, password, and the form's sensitive input fields to avoid storing the browser's data.

Classification: OWASP 2021: A5, OWASP 2017: A6, OWASP API 2019: API7, PCI-DSS: 3.2.1-6.5, CWE: 16
CVSS Vector: AV:N/AC:H/PR:N/UI:R/S:U/C:L/I:N/A:N

Url http://localhost/elearning_web/registration.php

Occurrences in this Url 2

Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:04 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 content-length: 3255 keep-alive: timeout=5, max=94 connection: Keep-Alive content-type: text/html; charset=UTF-8 status code: 200
Url http://localhost/elearning_web/login.php	
Occurrences in this Url 1	
Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:05 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 content-length: 2189 keep-alive: timeout=5, max=92 connection: Keep-Alive content-type: text/html; charset=UTF-8 status code: 200

Findings: 13 Autocomplete on password fields

Risk	Severity	CVSSv3 Score	Occurrences
Low	Low	3.1	3

Findings: 13 Autocomplete on password fields

Risk	Severity	CVSSv3 Score	Occurrences
Low	Low	3.1	3
Description			
Vooki detected an autocomplete vulnerability on password fields in the URL http://localhost/elearning_web/registration.php . By default, browsers remember information and store in local memory whatever user submits through input fields on websites. This mechanism enables the browser to offer autocompletion and autofill. The attacker can capture the stored information if the attacker gains access to the user's computer.			
Remediation			
Include the attribute autocomplete = 'off' in the username, password, and the form's sensitive input fields to avoid storing the browser's data.			
Classification:	OWASP 2021: A5, OWASP 2017: A6, OWASP API 2019: API7, PCI-DSS: 3.2.1-6.5, CWE: 16		
CVSS Vector:	AV:N/AC:H/PR:N/UI:R/S:U/C:L/I:N/A:N		
Url	http://localhost/elearning_web/registration.php		
Occurrences in this Url	2		
Request	Response		
Method: GET	date: Fri, 10 Jun 2022 06:53:04 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 content-length: 3255 keep-alive: timeout=5, max=94 connection: Keep-Alive content-type: text/html; charset=UTF-8 status code: 200		

Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:05 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 content-length: 2189 keep-alive: timeout=5, max=92 connection: Keep-Alive content-type: text/html; charset=UTF-8 status code: 200

Findings: 14 Old Version of JQuery Detected

Risk	Severity	CVSSv3 Score	Occurrences
Information	Information	NA	1

Description
Vooki detected the web application is using an old version of JQuery (3.1.1) used in the URL http://localhost/elearning_web/js/jquery-3.1.1.min.js. The old version could have security vulnerabilities.

Reference:
<https://releases.jquery.com/jquery/>

Remediation
Upgrade old version of JQuery to the latest version.

Url http://localhost/elearning_web/js/jquery-3.1.1.min.js
Occurrences in this Url 1

Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 last-modified: Mon, 09 Aug 2021 05:25:25 GMT etag: "152b5-5c9199cc3db40" accept-ranges: bytes content-length: 86709 keep-alive: timeout=5, max=69 connection: Keep-Alive

Findings: 15 Old Version of Bootstrap Detected

Risk	Severity	CVSSv3 Score	Occurrences
Information	Information	NA	1

Description
Vooki detected the web application is using an old version of Bootstrap (v3.3.7) used in the URL http://localhost/elearning_web/js/bootstrap.min.js. The old version could have security vulnerabilities.

Reference:
<https://github.com/twbs/bootstrap>

Remediation
Upgrade old version of Bootstrap to the latest version.

Url http://localhost/elearning_web/js/bootstrap.min.js
Occurrences in this Url 1

Findings: 16 Missing security headers - X-XSS-Protection

Risk	Severity	CVSSv3 Score	Occurrences
Information	Information	NA	2
Description			
Vooki detected that X-XSS-Protection security header is missing in the URL http://localhost/elearning_web . There are some HTTP response headers that your application can use to increase security of your application. Once set, these HTTP response headers can restrict modern browsers from running into easily preventable vulnerabilities.			
X-XSS-Protection: The HTTP 'X-XSS-Protection' response header is a mechanism that stops pages from loading when Internet Explorer, Chrome, and Safari detect reflected cross-site scripting (XSS) attacks.			
For example: X-XSS-Protection: 1 X-XSS-Protection: 1; mode=block X-XSS-Protection: 1; report=<reporting-URL>			
Remediation It's recommended to implement the 'X-XSS-Protection' security header			
Reference https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/X-XSS-Protection https://www.owasp.org/index.php/OWASP_Secure_Headers_Project#xcto			
Url	http://localhost/elearning_web		
Occurrences in this Url	1		

Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=pi5u9ma0m67ueq8q740g359ova; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=78
Url	
http://localhost/elearning_web/index.php	
Occurrences in this Url	
1	

Findings: 17 Missing header - Permissions-Policy

Risk	Severity	CVSSv3 Score	Occurrences
Information	Information	NA	2
Description			
Vooki detected that the permission policy is not implemented on this application. This specification defines a mechanism that allows developers to selectively enable and disable use of various browser features and APIs.			
Remediation			
It's recommended to implement the permission policy security header.			
Reference			
https://www.w3.org/TR/permissions-policy-1/ https://www.permissionspolicy.com/			
Url http://localhost/elearning_web			
Occurrences in this Url 1			
Request	Response		
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=pi5u9ma0m67ueq8q740g359ova; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=78		
Url http://localhost/elearning_web/index.php			
Occurrences in this Url 1			

Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=7ta0ko0p04mj1grhp15ahbt9pm; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=84

Findings: 18 Missing header - Expect-CT

Risk	Severity	CVSSv3 Score	Occurrences
Information	Information	NA	2
Description			
Vooki detected that the Expect-CT header is missing. The Expect-CT header lets sites opt in to reporting and/or enforcement of Certificate Transparency requirements, to prevent the use of misissued certificates for that site from going unnoticed.			
Remediation			
It's recommended to implement the Expect-CT security header. If your certificate supports Signed Certificate Timestamp by default, the Expect-CT header is not required.			
Reference			
https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Expect-CT			
Url http://localhost/elearning_web			
Occurrences in this Url 1			

Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=pi5u9ma0m67ueq8q740g359ova; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=78
Url http://localhost/elearning_web/index.php	
Occurrences in this Url 1	
Request	Response
Method: GET	date: Fri, 10 Jun 2022 06:53:08 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 set-cookie: PHPSESSID=7ta0ko0p04mj1grhpl5ahbt9pm; path=/ expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=84

Findings: 19 Cross-Domain JavaScript source file inclusion

Risk	Severity	CVSSv3 Score	Occurrences
Information	Information	NA	1
Description			
Vooki identified that the Cross-Domain JavaScript source file included in the webpage URL http://localhost/elearning_web/our_values.php. Included URL's are The page includes JavaScript files from a third-party domain. The inclusion of unknown and untrusted JavaScript may harm the end-users of the website. This is just a warning, not vulnerability if included JavaScript files from a trusted domain.			
Remediation			
All the included JavaScript files should be verified that this has been intentionally included in the website. Applications using third-party scripts should consider using subresource integrity to make browsers verify them or copy the contents of these scripts onto their domain and include them from there.			
Reference			
https://developer.mozilla.org/en-US/docs/Web/Security/Subresource_Integrity			
Url http://localhost/elearning_web/our_values.php			
Occurrences in this Url 1			
Request	Response		
Method: GET	date: Fri, 10 Jun 2022 06:52:40 GMT server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHP/8.0.9 x-powered-by: PHP/8.0.9 expires: Thu, 19 Nov 1981 08:52:00 GMT cache-control: no-store, no-cache, must-revalidate pragma: no-cache keep-alive: timeout=5, max=100 connection: Keep-Alive		