



**ATSS's**

**Institute of Industrial & Computer Management & Research, Nigdi**

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**MCA I<sup>st</sup> Year – II<sup>nd</sup> Semester**

**IT23: Advanced Internet Technologies**

**Submitted By:**

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**Roll No: 03**

**Division: Techno-Crats**



ATSS's

Institute of Industrial and Computer Management and Research, Nigdi Pune

MCA Department

## INDEX

Name: Achal anilsigh pardeshi

Roll No: 03

Sr. No	Program Title	Course Outcome	Page No.	Teacher's Sign with Date	Remarks
1.	WAP to change font size of a text as per the 'range' control value, ranging from 8 to 50.	CO2			
2.	Write a program to embed audio and video elements use controls.	CO2			
3.	WAP to draw a circle considering mouse click position as a centre.(Radius can be considered as 50)	CO2			
4.	Write a program to draw the rectangle shape using SVG and apply animation effect.	CO2			
5.	Write a program to draw the rectangle shape using SVG and apply animation effect.	CO2			
6.	Consider the heart shape as an image and apply Animation on hover effect where image will increase the size and revert back to original size with shadow effect.	CO2			
7.	Apply transition and transformation to perform following task: i.On hover of an image, it should rotate in 360 degrees. ii.On hover of a div, text should increase the size and removing cursor from div, size of the text should be restored.	CO2			
8.	Write a PHP script to generate simple random password of 10 characters from a given string. Assume a string contains characters from A-Z, a-z, 0- 9.	CO2			
9.	Write a PHP script to print Fibonacci Series using both ways: loops, recursive function.	CO2			
10.	Create a table Emp with fields empno ,name ,address ,salary ,deptno. Design HTML & PHP pages for the following a. Insert a record b. Delete record c. View record d. Display department number wise group report	CO2			


1. WAP to change font size of a text as per the 'range' control value, ranging from 8 to 50.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Question-1</title>
</head>
<body>
<form>
    <label for="points">points between 8 to 50</label><br>
    <input type="range" id="points" name="points" max="50" min="8"
onchange="changefontsize()">
</form>
<p id="mytext">Hello</p>
<script>
function changefontsize(){
    var rangeval= document.getElementById("points").value;
    document.getElementById("mytext").style.fontSize=rangeval + "px";
}
</script>
</body>
</html>
```

Output:

points between 8 to 50



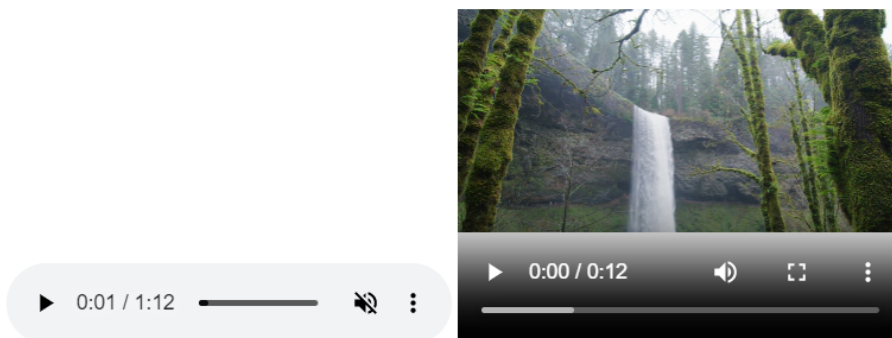
Hello

2. Write a program to embed audio and video elements use controls.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Question-3</title>
</head>
<body>
  <audio controls loop muted autoplay >
    <source src="kabirsingh.mp3" type="audio/mp3">
  </audio> <br>
  <video width="320" height="240" controls>
    <source src="mov_bbb.mp4" type="video/mp4">
  </video>
</body>
</html>
```

Output:

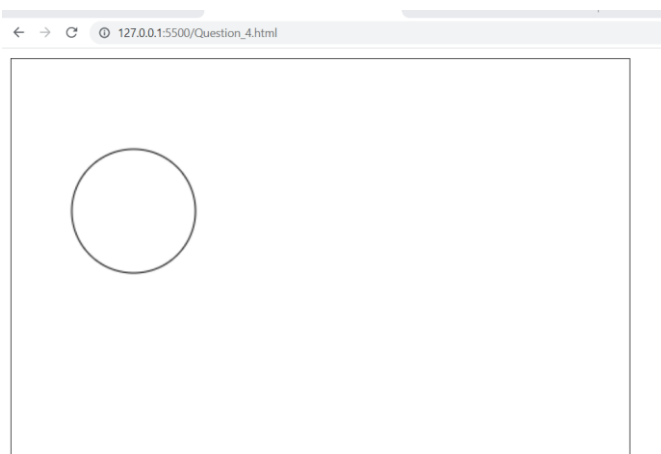


3. WAP to draw a circle considering mouse click position as a centre.(Radius can be considered as 50)

Code:

```
<!DOCTYPE html>
<html>
<head>
<style>
    #myCanvas {
        border: 1px solid black;
    }
</style>
<title>Question-4</title>
</head>
<body>
<canvas id="myCanvas" width="500" height="500"></canvas>
<script>
    var canvas = document.getElementById("myCanvas");
    var ctx = canvas.getContext("2d");
    canvas.addEventListener("click", function(event) {
        var rect = canvas.getBoundingClientRect();
        var mouseX = event.clientX - rect.left;
        var mouseY = event.clientY - rect.top;
        ctx.clearRect(0, 0, canvas.width, canvas.height);
        ctx.beginPath();
        ctx.arc(mouseX, mouseY, 50, 0, 2 * Math.PI);
        ctx.stroke();
    });
</script>
</body>
</html>
```

Output:

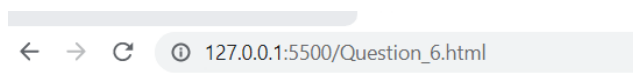


4. Write a program to draw the rectangle shape using SVG and apply animation effect.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Question-6</title>
</head>
<body>
  <svg width="500" height="500">
    <rect id="myRect" x="50" y="50" width="200"
      height="100" fill="blue">
      <animate attributeName="width" from="200" to="400"
        dur="2s" repeatCount="indefinite" />
      <animate attributeName="height" from="100" to="200"
        dur="2s" repeatCount="indefinite" />
      <animate attributeName="fill" values="blue; red; green;
        yellow" dur="4s" repeatCount="indefinite" />
    </rect>
  </svg>
</body>
</html>
```

Output:



5. Apply pseudo selectors to set the background color for visited and unvisited links to 'lightblue', and the background color for the hover and active link states to 'green'.

Code:

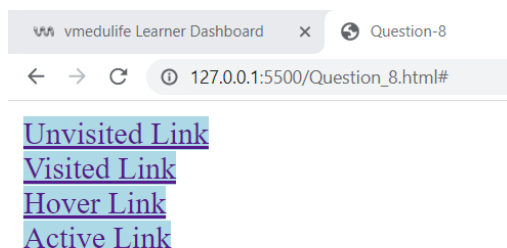
```
<!DOCTYPE html>
<html>
<head>
  <title>Question-8</title>
<style>
  a:link {
    background-color: lightblue;
  }

  a:visited {
    background-color: lightblue;
  }

  a:hover {
    background-color: green;
  }

  a:active {
    background-color: green;
  }
</style>
</head>
<body>
<a href="#">Unvisited Link</a><br>
<a href="#">Visited Link</a><br>
<a href="#">Hover Link</a><br>
<a href="#">Active Link</a>
</body>
</html>
```

Output:



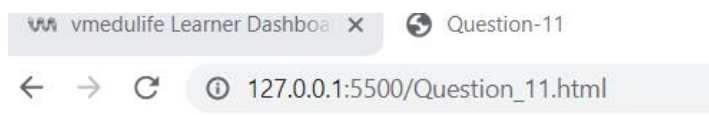
6. Consider the heart shape as an image and apply Animation on hover effect where image will increase the size and revert back to original size with shadow effect.

Code:

```
<!DOCTYPE html>
<html>
<head>
<title>Question-11</title>
<style>
    .heart {
        width: 100px;
        height: 60px;
        background-image: url("./heart2.jpg");
        background-size: contain;
        transition: transform 0.3s, box-shadow 0.3s;
    }

    .heart:hover {
        transform: scale(1.2);
        box-shadow: 0 0 10px rgba(0, 0, 0, 0.3);
    }
</style>
</head>
<body>
<div class="heart"></div>
</body>
</html>
```

Output:





7. Apply transition and transformation to perform following task:

- i. On hover of an image, it should rotate in 360 degrees.
- ii. On hover of a div, text should increase the size and removing cursor from div, size of the text should be restored.

Code:

```
<!DOCTYPE html>
<html>
<head>
<style>
.rotate-image {
    width: 100px;
    height: 100px;
    transition: transform 0.3s;
}

.rotate-image:hover {
    transform: rotate(360deg);
}

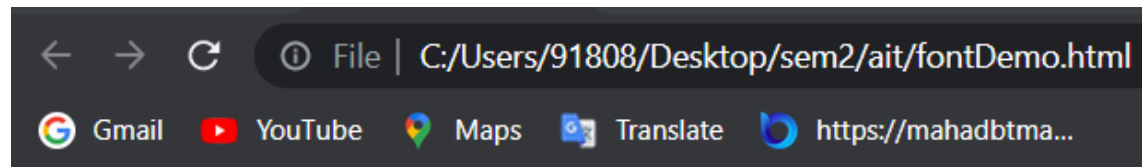
.enlarge-text {
    display: inline-block;
    transition: font-size 0.3s;
    cursor: pointer;
}

.enlarge-text:hover {
    font-size: 1.2em;
    cursor: default;
}
</style>
<title>Question-12</title>
</head>
<body>

```

```
<div class="enlarge-text">  
<p>---AIT Pract---</p>  
</div>  
</body>  
</html>
```

Output:



---AIT Pract---

8. Write a PHP script to generate simple random password of 10 characters from a given string. Assume a string contains characters from A-Z, a-z, 0-9.

Code:

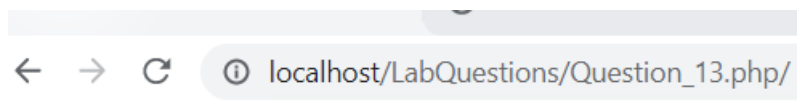
```
<?php
function generateRandomPassword($length) {
    $characters =
    'ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789';
    $password = '';

    $charLength = strlen($characters);
    for ($i = 0; $i < $length; $i++) {
        $randomIndex = mt_rand(0, $charLength - 1);
        $password .= $characters[$randomIndex];
    }

    return $password;
}

$randomPassword = generateRandomPassword(10);
echo "Random Password: " . $randomPassword;
?>
```

Output:



Random Password: uRjxsSpXtQ

9. Write a PHP script to print Fibonacci Series using both ways: loops, recursive function.

Code:

```
<?php
```

```
function fibonacciLoop($n1) {
    $fib = [];
    $fib[0] = 0;
    $fib[1] = 1;

    for ($i = 2; $i < $n1; $i++) {
        $fib[$i] = $fib[$i - 1] + $fib[$i - 2];
    }

    return $fib;
}

$n1 = 10; // Number of Fibonacci numbers to generate

$fibonacciSeries = fibonacciLoop($n1);

echo "Fibonacci Series using Loops: ";
foreach ($fibonacciSeries as $number) {
    echo $number . " ";
}
echo "<br>";
echo "Fibonacci Series Using Recursion:";
function fibonacc Recursive($a,$b,$nr)
{
    if($nr==0)
    {
        return;
    }
    $c=$a+$b;
    echo $c." ";
    $nr=$nr-1;
    fibonacc Recursive($b,$c,$nr);
}
$nr = 10; //Number of Fibonacci numbers to generate
$a=0;
$b=1;
```

```
echo $a." ".$b." ";  
$nr=$nr-2;  
fiboncacciRecursive($a,$b,$nr);
```

?>

Output:

← → ↻ ⓘ localhost/LabQuestions/Question\_14.php/

Fibonacci Series using Loops: 0 1 1 2 3 5 8 13 21 34

Fibonacci Series Using Recursion:0 1 1 2 3 5 8 13 21 34

10. Create a table Emp with fields empno ,name ,address ,salary ,deptno. Design HTML & PHP pages for the following a. Insert a record b. Delete record c. View record d. Display department number wise group report

Code:

Dbase.php

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "employee";
$port = 3306;

// Create connection
$con = new mysqli($servername, $username, $password, $dbname,$port);
// Check connection
if ($con->connect_error) {
    die("Connection failed: " . $con->connect_error);
}
?>
```

Index.php

```
<!DOCTYPE html>
<html>
<head>
    <title>insert</title>
</head>
<body>
<div class="row text-center">
    <div class="container">
        <h1>Employee Information</h1>
        <form action="index.php" method="post">
            <label for="empno">EmpNO:</label>
            <input type="text" name="eno" placeholder="Eno"><br><br>
```

```

<label for="name">Name:</label>
    <input type="text" name="Name" placeholder="Name"><br><br>

<label for="address">Address:</label>
    <input type="text" name="address" placeholder="Address"><br><br>

<label for="salary">Salary:</label>
    <input type="text" name="salary" placeholder="Salary"><br><br>

<label for="empno">Department No.:</label>
    <input type="text" name="dpno" placeholder="Dpno"><br><br>

    <input type="submit" name="submit" value="insert"><br><br>
</form>
<button><a href="show.php">show data</a></button>
</div>
</div>
</body>
</html>
<?php
error_reporting(0);
include 'dbase.php';
if (isset($_POST['submit'])) {
    $eno = $_POST['eno'];
    $name = $_POST['name'];
    $address = $_POST['address'];
    $salary = $_POST['salary'];
    $dpno = $_POST['dpno'];
    $sql = "INSERT INTO `emp` VALUES
('$eno','$name','$address','$salary','$dpno')";
    $data=mysqli_query($con,$sql);
    if ($data) {
        echo "insert";
    }else
    {
        echo "sorry";
    }
}

```

```
}  
}  
?>
```

Show.php

```
<!DOCTYPE html>  
<html>  
<head>  
    <title>show table</title>  
</head>  
<body>  
<?php  
include ('dbase.php');  
$sql ="select * from emp";  
$data =mysqli_query($con,$sql);  
$total=mysqli_num_rows($data);  
if ($total=mysqli_num_rows($data)) {  
    ?>  
    <table border="2">  
<tr>  
<th>Eno</th>  
<th>EmpName</th>  
<th>Address</th>  
<th>Salary</th>  
<th>DeptNo</th>  
<th>update</th>  
<th>delete</th>  
</tr>  
    <?php  
    while ($result = mysqli_fetch_array($data)) {  
        echo "  
            <tr>  
                <td>".$result['eno']. "</td>  
                <td>".$result['name']. "</td>  
                <td>".$result['address']. "</td>  
                <td>".$result['salary']. "</td>
```



```

        <td>".$result['dpno']."</td>
        <td><a href='update.php?eno=$result[eno] &
EmpName=$result[name] & Address=$result[address] &
Salary=$result[salary] & DeptNo=$result[dpno] '> update </a></td>
        <td><a href='delete.php?eno=$result[eno] '>delete
</a></td>
    </tr>
    ";
}
}
else
{
    echo "no record found";
}
?>
</table>
</body>
</html>

```

Update.php

```

<!DOCTYPE html>
<html>
<head>
    <title>update</title>
</head>
<body>
<form action="" method="get">
    <input type="text" name="eno" placeholder="Empno" value="<?php
echo $_GET['eno']; ?>"><br><br>
    <input type="text" name="name" placeholder="EmpName"
value="<?php echo $_GET['name']; ?>"><br><br>
    <input type="text" name="address" placeholder="Address"
value="<?php echo $_GET['address']; ?>" ><br><br>
    <input type="text" name="salary" placeholder="Salary" value="<?php
echo $_GET['salary']; ?>"><br><br>

```

```
<input type="text" name="dpno" placeholder="number" value="<?php
echo $_GET['dpno']; ?>"><br><br>
<input type="submit" name="submit" value="update">
</form>
<?php
error_reporting(0);
include ('dbase.php');
if ($_GET['submit'])
{
    $eno = $_GET['eno'];
    $name = $_GET['name'];
    $address = $_GET['salary'];
    $salary = $_GET['address'];
    $dpno = $_GET['dpno'];
    $sql="UPDATE emp SET name='$eno' , salary='$salary',
address='$address', dpno='$dpno' WHERE eno='$eno'";
    $data=mysqli_query($con, $sql);
    if ($data) {
        //echo "record update";
        header('location:show.php');
    }
    else{
        echo "not update";
    }
}
else
{
    echo "click on button to save the change";
}
?>
</body>
</html>
```

delete.php

```
<?php
include ('dbase.php');
$eno = $_GET['eno'];
$sql ="DELETE FROM `emp` WHERE eno='$eno'";
$data = mysqli_query($con,$sql);
if ($data) {
    echo "deleted";
    header('location:show.php');
}else
{
    echo "error";
}
?>
```

Dept.php

```
<!DOCTYPE html>
<html>
<head>
    <title>Department table</title>
</head>
<body>
<?php
include ('dbase.php');
$sql =" SELECT eno, name, address, salary, dpno FROM emp ORDER BY
dpno";
$data =mysqli_query($con,$sql);
$total=mysqli_num_rows($data);
if ($total=mysqli_num_rows($data)) {
    ?>
    <table border="2">
<tr>
<th>Eno</th>
<th>EmpName</th>
```

```

<th>Address</th>
<th>Salary</th>
<th>DeptNo</th>
<th>update</th>
<th>delete</th>
</tr>
    <?php
        while ($result = mysqli_fetch_array($data)) {
            echo "
                <tr>
                    <td>".$result['eno']."</td>
                    <td>".$result['name']."</td>
                    <td>".$result['address']."</td>
                    <td>".$result['salary']."</td>
                    <td>".$result['dpno']."</td>
                    <td><a href='update.php?eno=$result[eno] &
EmpName=$result[name] & Address=$result[address] &
Salary=$result[salary] & DeptNo=$result[dpno]'"> update </a></td>
                    <td><a href='delete.php?eno=$result[eno] '">delete
</a></td>
                </tr>
            ";
        }
    }
    else
    {
        echo "no record found";
    }
?>
</table>
</body>
</html>

```

Output:

(2) WhatsApp | localhost:8089 / 127.0.0.1 / emplo | All Out 00's Hindi | Spotify Playlist | D

localhost:8089/PHPProg/AITLab/dept.php

ImpWebs Social Accounts Courses HolidayHW Other CheatSheets PassivelIncome

Eno	EmpName	Address	Salary	DeptNo	update	delete
13		shivajinagar	14526	8	<a href="#">update</a>	<a href="#">delete</a>
1	sakshi	phaltan	1200000	11	<a href="#">update</a>	<a href="#">delete</a>

Coding Ninjas | WhatsApp | localhost:8089 / 127.0.0.1 / | Jai Shr

localhost:8089/PHPProg/AITLab/show.php

ImpWebs Social Accounts Courses HolidayHW Other CheatSheets Pass

Eno	EmpName	Address	Salary	DeptNo	update	delete
1	sakshi	phaltan	1200000	11	<a href="#">update</a>	<a href="#">delete</a>

Coding Ninjas | WhatsApp | localhost:8089 / 127.0.0.1 / | Chimbh Bhijalele - Fron

localhost:8089/PHPProg/AITLab/index.php

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## Employee Information