



**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

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Name: Achal anilsigh pardeshi

Roll No: 03

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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



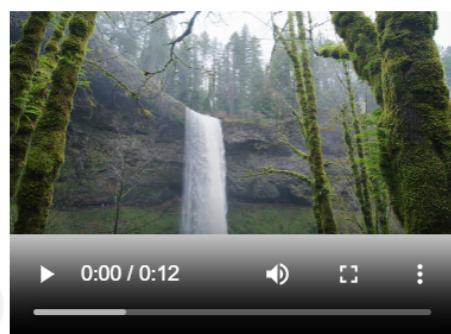
Hello

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:

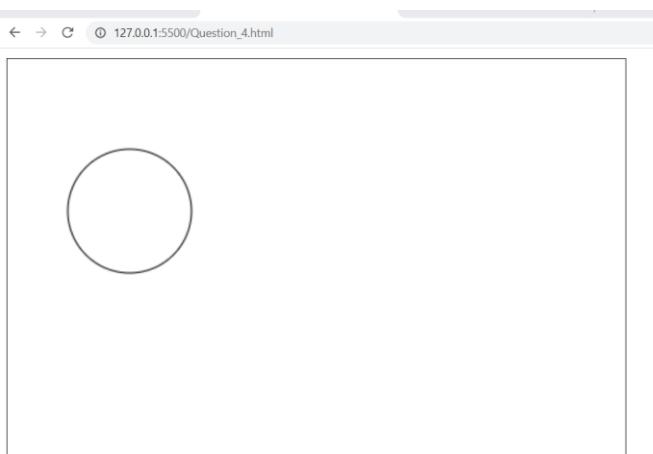


3. WAP to draw a circle considering mouse click position as a centre.(Radius can be considered as 50)

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:

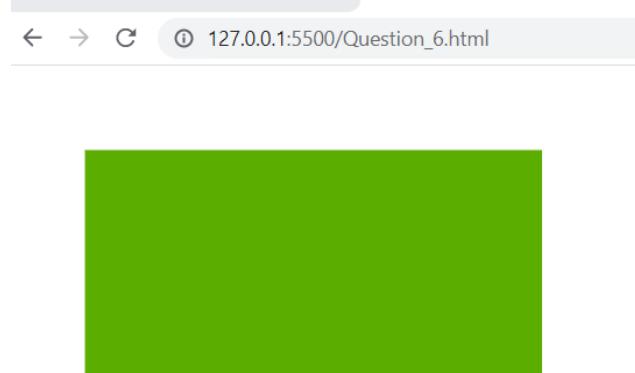


4. Write a program to draw the rectangle shape using SVG and apply animation effect.

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:

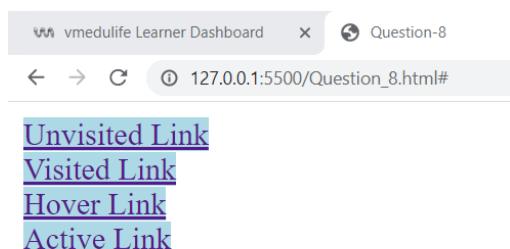
```
<!DOCTYPE html>
<html>
<head>
    <title>Question-8</title>
<style>
    a:link {
        background-color: lightblue;
    }

    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:



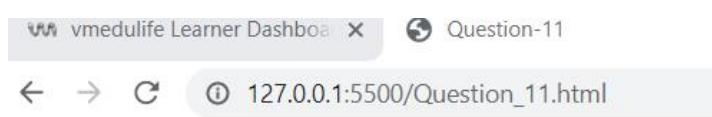
6. Consider the heart shape as an image and apply Animation on hover effect where image will increase the size and revert back to original size with shadow effect.

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);
}

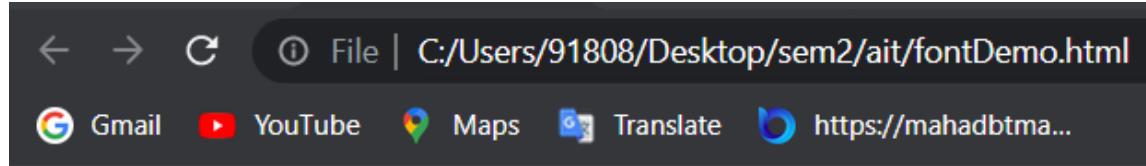
.enlarge-text {
    display: inline-block;
    transition: font-size 0.3s;
    cursor: pointer;
}

.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($nl) {
    $fib = [];
    $fib[0] = 0;
    $fib[1] = 1;

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

    return $fib;
}

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

$fibonacciSeries = fibonacciLoop($nl);

echo "Fibonacci Series using Loops: ";
foreach ($fibonacciSeries as $number) {
    echo $number . " ";

}

echo "<br>";
echo "Fibonacci Series Using Recursion:";

function fibonacciRecursive($a,$b,$nr)
{
    if($nr==0)
    {
        return;
    }
    $c=$a+$b;
    echo $c." ";
    $nr=$nr-1;
    fibonacciRecursive($b,$c,$nr);
}

$nr = 10; //Number of Fibonacci numbers to generate
$a=0;
$b=1;
```

```
echo $a." ".$b." ";
$nr=$nr-2;
fibonacciRecursive($a,$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="gmail" 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:

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 PassiveIncome

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>

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>

localhost:8089 / 127.0.0.1 | Chimbh Bhijale - From

localhost:8089/PHPProg/AITLab/index.php

ImpWebs Social Accounts Courses HolidayHW Other CheatSheets PassiveIncome IICMR

## Employee Information

<input type="text" value="Eno"/>
<input type="text" value="Name"/>
<input type="text" value="Address"/>
<input type="text" value="Salary"/>
<input type="text" value="Dpno"/>
<input type="button" value="insert"/>
<input type="button" value="show data"/>