

Assignment 1

SET-A

1. Design a HTML form to file upload and upload .txt file onto server with PHP script.

upload.html

```
<html>
<head><title>File Upload</title></head>
<body>
<h1>File Upload</h1>
<form action="upload.php" method=post enctype="multipart/form-data">
Select File:
<input type="file" name='fileToUpload'><br><br>
<input type="submit" value="Upload File" name="submit">
</form>
</body>
</html>
```

upload.php

```
<?php
$target_path="public_html";
$target_path=$target_path . basename( $_FILES['fileToUpload']['name']);
if(move_uploaded_file($_FILES['fileToUpload']['tmp_name'], $target_path))
{
    echo "File Uploaded Successfully!";
}
else
{
    echo "There was an error uploading the file, please try again!";
}
?>
```

2. Design a HTML form to take 'name' input from user and greet user using Sticky form.

```
<html>
<head><title> Greet User</title></head>
<body bgcolor="pink"><font color="Blue">
<h2>Greet User </h2>
<form action="<?php echo $_SERVER['PHP_SELF']?>" method="GET">
Enter Your Name :<input type="text" name="name1" value="<?php echo $_GET['name1'];?>" />
<br/><br>
<input type="submit" value="OK"/>
</form>
<?php
if(isset($_GET['name1']))
{
    $nm=$_GET['name1'];
    echo"Hello ".$nm;
}
?>
</body>
</html>
```

3. Design a HTML form of any website's Contact us page using self-processing form.

```

<html>
<head>
  <title>Contact Form</title>
</head>
<body bgcolor="grey"><font color="white">
  <h2>Contact Us</h2>
  <form method="post" action="<?php echo $_SERVER['PHP_SELF']; ?>">
    <input type="text" name="name" placeholder="Your Name"><br><br>
    <input type="email" name="email" placeholder="Your Email"><br><br>
    <textarea name="message" placeholder="Your Message"></textarea><br><br>
    <input type="submit" name="submit" value="Send">
  </form>
  <?php
  if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = $_POST['name'];
    $email = $_POST['email'];
    $message = $_POST['message'];
    // Here you can process the form, send an email, or save to a database
  }
  ?>
</body>
</html>

```

4. Design a form to convert Fahrenheit temperature to Celsius using self-processing form.

```

<html>
<head><title>Temperature Conversion</title></head>
<body>
<?php
$farh=@$_GET['farhenheit'];
?>
<form action="<?php echo $_SERVER['PHP_SELF']
?>" method="GET">
Farhenheit Temperature:
<input type="text" name="farhenheit"/>
<br/>
<input type="submit" value="Convert to Clesius!" />
</form>
<?php
if(! is_null($farh))
{
$celsius=($farh - 32)*5/9;
printf("%.2fF is %.2fC", $farh, $celsius);
}
?>
</body>
</html>

```

5. Design a HTML to compare two string are equal or not using sticky form.

```

<html>
<head><title>String Comparison</title>
</head>

```

```

<body>
<?php
$s1=@$_GET['str1'];
$s2=@$_GET['str2'];
?>
<form action="<?php echo $_SERVER['PHP_SELF'] ?>"
method="GET">
String 1:
<input type="text" name="str1" value="<?php echo $s1 ?>" /></br>
String 2:
<input type="text" name="str2" value="<?php echo $s2 ?>" /></br>
<input type="submit" value="Check Equality" />
</form>
<?php
if(! is_null($s1) && !is_null($s2))
{
if(strcmp($s1,$s2)==0)
{
echo "Strings are equal";
}
else {
echo "Strings are not Equal";
}
}
}??>
</body>
</html>

```

SET-B

1. Design a HTML form to take 'name' input from user and greet user using self-processing form.

```

<html>
<head>
<title> Greet User</title>
</head>
<body bgcolor="grey">
<font color="white">
<h2>Greet User</h2>
<font color="white">
<?php
if(isset($_GET['name1']))
{
$nm=$_GET['name1'];
echo"Hello " . $nm;
}
else
{
?>
<form action="<?php echo $_SERVER['PHP_SELF']?>"method="GET" ><font color="white">
Enter Your Name :<input type="text" name="name1"/> <br><br>
<input type="submit" value="Submit"/>
</form>

```

```

<?php
}
?>
</body>
</html>

```

2. Design a self-processing form to accept registration details of students.

```

<html>
<head>
    <title>Registration Form</title>
</head>
<body bgcolor="grey"><font color="white">
    <h2>User Registration</h2>
    <form method="post" action="<?php echo $_SERVER['PHP_SELF']; ?>">
        <input type="text" name="username" placeholder="Username"><br><br>
        <input type="password" name="password" placeholder="Password"><br><br>
        <input type="email" name="email" placeholder="Email"><br><br>
        <input type="submit" name="submit" value="Register">
    </form>
    <?php
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        $username = $_POST['username'];
        $password = $_POST['password'];
        $email = $_POST['email'];
        // Here you can process the registration, add to a database, etc.
    }
    ?>
</body>
</html>

```

3. Design a calculator for addition and subtraction functionality using sticky form.

```

<html>
<head>
<title>Simple Calculator</title>
</head>
<body bgcolor='grey'>
<h2><font color='white'>Calculator</h2>
<form method="post" action="<?php echo ($_SERVER["PHP_SELF"]); ?>">
    Number 1: <input type="text" name="num1" value="<?php if(isset($_POST['num1'])) echo
($_POST['num1']); ?>"><br><br>
    Number 2: <input type="text" name="num2" value="<?php if(isset($_POST['num2'])) echo
($_POST['num2']); ?>"><br><br>
    <input type="submit" name="add" value="Add">
    <input type="submit" name="subtract" value="Subtract">
</form>

<?php
    if (isset($_POST['add'])) {
        $result = $_POST['num1'] + $_POST['num2'];
        echo "Result: " . $result;
    }

```

```

    if (isset($_POST['subtract'])) {
        $result = $_POST['num1'] - $_POST['num2'];
        echo "Result: " . $result;
    }
?>
</body>
</html>

```

4. Design a Sticky form to accept feedback from user.

```

<html>
<head>
    <title>Feedback Form</title>
</head>
<body bgcolor="grey">
<h2><font color="lightblue">Provide Your Feedback</h2>

<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>">
    Feedback: <br><textarea name="feedback"><?php if(isset($_POST['feedback'])) echo
htmlspecialchars($_POST['feedback']); ?></textarea><br><br>
    <input type="submit" name="submit" value="Submit">
</form>

<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    echo "<h3>Your Feedback:</h3>";
    echo htmlspecialchars($_POST['feedback']);
}
?>

</body>
</html>

```

5. Design a sticky form to print multiple choices of hobbies using selection box.

```

<html>
<head>
    <title>Sticky Form with Multiple Select</title>
</head>
<body bgcolor="darkred"><font color="White">
    <form method="post" action="<?php echo ($_SERVER["PHP_SELF"]); ?>">
        Select your hobbies (hold down the Ctrl key to select multiple options):<br><br>
        <select name="hobbies[]" multiple>
            <option value="Reading" <?php if (isset($_POST['hobbies']) && in_array('Reading',
$_POST['hobbies'])) echo 'selected'; ?>>Reading</option>
            <option value="Sports" <?php if (isset($_POST['hobbies']) && in_array('Sports',
$_POST['hobbies'])) echo 'selected'; ?>>Sports</option>
            <option value="Music" <?php if (isset($_POST['hobbies']) && in_array('Music',
$_POST['hobbies'])) echo 'selected'; ?>>Music</option>
            <option value="Dancing" <?php if (isset($_POST['hobbies']) && in_array('Dancing',
$_POST['hobbies'])) echo 'selected'; ?>>Dancing</option>
        </select><br><br>
        <input type="submit" value="Submit">
    </form>

```

```
</form>
```

```
<?php
```

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

```
    if (isset($_POST['hobbies'])) {
```

```
        echo "Your hobbies are: " . implode(', ', $_POST['hobbies']);
```

```
    }
```

```
}
```

```
?>
```

```
</body>
```

```
</html>
```

Assignment 2

SET-A

1. Write a PHP script to set a cookie.

```
<?php
$cookie_name="user";
$cookie_value="Meraj";
setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/");
// 86400 = 1 day
?>

<html>
<body bgcolor="lightpink">

<?php
if(!isset($_COOKIE[$cookie_name]))
{
echo"Cookie Named ".$cookie_name." is not set!";
}
else{
echo"Cookie ".$cookie_name." is set !<br>";
echo "Value is : ".$_COOKIE[$cookie_name];
}
?>
</body>
</html>
```

2. Write a PHP script to delete a cookie.

```
<?php
// set the expiration date to one hour ago
setcookie("user","meraj", time() -3600);
?>

<html>
<head><title>Delete Cookie</title></head>
<body bgcolor="lightgreen">
<?php
echo"Cookie 'user' is deleted.";
?>
</body>
</html>
```

3. Write a PHP script to destroy a session and delete all variables within that session.

```
<?php
session_start();
$_SESSION['Username']='Johndoe';
$_SESSION['email']='Johndoe@example.com';
echo"Session variables are set.";
?>

<html>
<body bgcolor="olive">
<?php
// remove all session variables
session_unset();
```

```

echo"Removed all session variables <br><br>";
// destroy the session
session_destroy();
echo"Session is destroyed ";
?>
</body>
</html>

```

4. Write a PHP script to keep track of number of times the web page has been access. [Hint: Use session and cookies]

setA1.html

```

<html>
<head>
<title>Font styling form</title>
</head>
<body bgcolor="purple">
<form action ='SetA2.php' method='get'>
<center><font color="white">
<h2>Font Styling Form</h2>
<b>Select font style: </b><input type='text' name='s1'><br><br>
<b>Enter font size: </b><input type='text' name='s'><br><br>
<b>Enter font color: </b><input type='text' name='c'><br><br>
<b>Enter background color : </b><input type='text' name='b'><br><br><br>
<input type =submit value='Next'>
</font color>
</center>
</form>
</body>
</html>

```

setA1.php

```

<html>
<body bgcolor="orange">
<font size=5 color=blue>
<?php
session_start();
if(isset($_SESSION['count']))
$_SESSION['count']=$_SESSION['count']+1;
else
$_SESSION['count']=1;
echo "<h3>You have visited the page"." ".$_SESSION['count']." ". "times...</h3>";
?>
</body>
</html>

```

5. Write a PHP script to change the preferences of your web page like font style, font size, font color, background color using cookie. Display selected setting on next web page and actual implementation (with new settings) on third page.

Style.html

```

<html>
<head>
<title>Font styling form</title>

```



```

</head>
<body bgcolor="purple">
<form action='style.php' method='get'>
<center><font color="white">
<h2>Font Styling Form</h2>
<b>Select font style: </b><input type='text' name='s1'><br><br>
<b>Enter font size: </b><input type='text' name='s'><br><br>
<b>Enter font color: </b><input type='text' name='c'><br><br>
<b>Enter background color : </b><input type='text' name='b'><br><br><br>
<input type=submit value='Next'>
</font color>
</center>
</form>
</body>
</html>

```

Style.php

```

<?php
echo "style is ".$_GET['s1']. "<br>color is ".$_GET['c']. "<br>Background Color is ".$_GET['b']. "<br>size
is ".$_GET['s'];
setcookie('set1',$_GET['s1']);
setcookie('set2',$_GET['c']);
setcookie('set3',$_GET['b']);
setcookie('set4',$_GET['s']);
?>
<html>
<body bgcolor="purple">
<font color="white">
<form action="style2.php"><br>
<input type=submit value=OK>
</form>
</font color>
</body>
</html>

```

SET-B

1. Write a PHP script to accept username and password. If in the first three chances, username and password entered is correct then display second form with "Welcome message" otherwise display error message. [Hint: Use Session]

Login.html

```

<html>
<head>
<title>Login Form</title>
</head>
<body bgcolor="lightblue">
<h2>Login Form</h2><br>
<form action="login.php">
Enter Username:
<input type="text" name="n"><br><br>
Enter Password:
<input type="password" name="p"><br><br>

```

```

<input type="submit" Value="Submit">
</form>
</body>
</html>
Login.php
<?php
echo "<html><body bgcolor=pink></body></html>";
session_start();
$nm=$_GET['n'];
$ps=$_GET['p'];
if(!isset($_SESSION['cnt']))
{
$_SESSION['cnt']=1;
if($nm==$ps)
echo "Correct!!!<br><font color=green >Login Successful</font><br>Welcome!!!";
else
echo $_SESSION['cnt']." ". "Chances used <font color=red>Invalid Login</font>";
}
else
{
$_SESSION['cnt']=$_SESSION['cnt']+1;
if($_SESSION['cnt']<=3)
{
if($nm==$ps)
echo "Correct!!!<br><font color=green >Login Successful</font><br>Welcome!!!";
else
echo $_SESSION['cnt']." ". "Chances used <font color=red>Invalid Login</font>";
}
else
echo "<br><font color=red>Attempt Finished";
}
?>

```

2. Write a PHP script to accept Employee details (Eno, Ename, Address) on first page. On second page accept earning (Basic, DA, HRA). On third page print Employee information (Eno, Ename, Address, Basic, DA, HRA, Total) [Hint: Use Session] .

Set1b.php

```

<?php
echo "<html><body bgcolor=pink></body></html>";
session_start();
if(!isset($_SESSION['cnt']))
{
$_SESSION['cnt']=1;
if($nm==$ps)
echo "Correct!!!<br><font color=green >Login Successful</font><br>Welcome!!!";
else
echo $_SESSION['cnt']." ". "Chances used <font color=red>Invalid Login</font>";
}
else
{
$_SESSION['cnt']=$_SESSION['cnt']+1;

```

```

if($_SESSION['cnt']<=3)
{
if($nm==$ps)
echo "Correct!!!<br><font color=green >Login Successful</font><br>Welcome!!!";
else
echo $_SESSION['cnt']. " ". "Chances used <font color=red>Invalid Login</font>";
}
else
echo "<br>Attempt Finished";
}
?>

```

set1b2(2).php

```

<?php
session_start();
$_SESSION['eno']=$_GET['n'];
$_SESSION['ename']=$_GET['nm'];
$_SESSION['eadd']=$_GET['a'];
?>
<html>
<body bgcolor=cyan>
<form action=set1b2(3).php method=post><center>
<font color=red><h2>Enter Employee Earnings:</h2></font><br><br>
Basic: <input type=text name=e1><br><br>
DA: <input type=text name=e2><br><br>
HRA: <input type=text name=e3><br><br>
<input type=submit value=Show>
</font>
</center>
</form>
</body>
</html>

```

set1b2(3).php

```

<?php
echo "<html><body bgcolor=teal></body></html>";
session_start();
$e1=$_POST['e1'];
$e2=$_POST['e2'];
$e3=$_POST['e3'];
echo "<font color=black><h2>--Employee Details--</h2>";
echo "Employee Number: ".$_SESSION['eno']. "<br>";
echo "Employee Name: ".$_SESSION['ename']. "<br>";
echo "Employee Address: ".$_SESSION['eadd']. "<br>";
echo "Basic : ".$e1. "<br>";
echo "DA : ".$e2. "<br>";
echo "HRA : ".$e3. "<br>";
$total=$e1+$e2+$e3;
echo "<h3>Total of Earnings is: ".$total. "</h3></font><br>";
?>

```

3. Write PHP script to keep track of how longer a web page has been accessed also print last visit time of web page.

```
<?php
session_start();

// Check if the user has previously visited the page
if(isset($_SESSION['first_visit_time'])) {
    // Calculate the duration of the visit
    $first_visit_time = $_SESSION['first_visit_time'];
    $current_time = time();
    $visit_duration = $current_time - $first_visit_time;

    echo "Welcome back! You have been on this page for: " . gmdate("H:i:s", $visit_duration);
} else {
    // Set the time when the user first visited the page
    $_SESSION['first_visit_time'] = time();
    echo "Welcome! This is your first visit to the page.";
}

// Set a cookie to track the last visit time
setcookie('last_visit_time', time() + (86400 * 30), "/");

// Check if the user has visited the page before using a cookie
if(isset($_COOKIE['last_visit_time'])) {
    $last_visit_time = $_COOKIE['last_visit_time'];
    echo "<br>Your last visit was on: " . $last_visit_time;
} else {
    echo "<br>This is your first visit (using cookies).";
}
?>
```

4. Write PHP script to design a shopping cart and keep adding product whenever web page is accessed.

cart.html

```
<html>
<body>
<form method='POST' method='cart.php'>
<input type="checkbox" name=product value="iphone">
<input type="checkbox" name=product value="macbook">
<input type="checkbox" name=product value="ipods">
<input type="submit" Value="Add to cart">
</body>
</html>
```

cart.php

```
<?php
session_start();
if(isset($_POST['product'])){
    $product=$_POST['product'];
    $_SESSION['cart'][]=$product;
    echo"$product added to cart.";
```

```

}
?>
cart1.php
<?php
session_start();

// Initialize the shopping cart if it doesn't exist
if(!isset($_SESSION['cart'])) {
    $_SESSION['cart'] = array();
}

// Add items to the cart
$item = array(
    'id' => 1,
    'name' => 'Product Name',
    'price' => 10.99
);
$_SESSION['cart'][] = $item;

// Display the contents of the cart
echo "<h2>Your Shopping Cart</h2>";
foreach($_SESSION['cart'] as $item) {
    echo $item['name'] . ": Rs" . $item['price'] . "<br>";
}
?>
product.php
<html>
<body>
<h2>Products: </h2>
<form method='POST' method='cart.php'>
<input type="checkbox" name=product value="iphone">
<input type="checkbox" name=product value="macbook">
<input type="checkbox" name=product value="ipods">
<input type="submit" Value="Add to cart">
</form>
<h2>Cart: </h2>
<ul>
<?php
if(isset($_SESSION['cart'])){
foreach($_SESSION['cart']as $item){
echo"<li>$sitem</li>";
}
}
?>
</ul>
</body>
</html>

```

5. Write a PHP script to authenticate user with a welcome message using session.

```
<?php
session_start();

// Check if the user is already logged in
if(isset($_SESSION['Meraj'])) {
    echo "Welcome back, Meraj" . $_SESSION['Meraj'];
} else {
    // Perform user authentication here
    // If authentication is successful, set session variables
    $_SESSION['Meraj'] = 12345;
    echo "Welcome,Meraj!";
}
?>
```

Assignment-3

SET-A

Q1. Write a script to create XML file named "Item.xml"

```
<Item>
<ItemName> .....</ItemName>
<ItemPrice> .....</ItemPrice>
<Quantity> .....</Quantity>
</Item>
```

Item.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="Item.css"?>
<Itemdetails>
<Item Id="1">
<Itemnm> Mouse</Itemnm>
<Itempr> 150</Itempr>
<Itemqt> 15</Itemqt>
</Item>
<Item Id="2">
<Itemnm> Monitor</Itemnm>
<Itempr> 2350</Itempr>
<Itemqt> 15</Itemqt>
</Item>
<Item Id="3">
<Itemnm> keyboard</Itemnm>
<Itempr> 550</Itempr>
<Itemqt> 25</Itemqt>
</Item><Item Id="4">
<Itemnm> Printer</Itemnm>
<Itempr> 3050</Itempr>
<Itemqt> 10</Itemqt>
</Item>
<Item Id="5">
<Itemnm> Scanner</Itemnm>
<Itempr> 4000</Itempr>
<Itemqt> 5</Itemqt>
</Item>
<Item Id="6">
<Itemnm> Pendrive</Itemnm>
<Itempr> 100</Itempr>
<Itemqt> 65</Itemqt>
</Item>
</Itemdetails>
```

Q2. Link " Item. Xml" file to the CSS style sheet and get well formatted output as given below
i)

ItemName :

Color : red;

Font-family : copperplate Gothic Light;

Font-size : 16pt;

Font :bold;

ii)

ItemPrice and Quantity

color:yellow; font

family:Arial; font-size:12 pt;

font:bold;

Item.css

Itemnm{

color:red;

font-family:copperplate Gothic Light;

font-size:16pt;

font:bold;

}

Itempr{

color:green;

font-family:Arial;

font-size:12pt;

font:bold;

}

Itemqt{

color:green;

font-family:Arial;

font-size:12pt;

font:bold;

}

Q3. Write a PHP script to generate an XML file in the following format in PHP.

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<BookInfo>
```

```
<book>
```

```
<bookno>1</bookno>
```

```
<bookname>JAVA</bookname>
```

```
<authorname>Balguru Swami</authorname>
```

```
<price>250</price>
```

```
<year>2006</year>
```

```
</book>
```

```
<book>
```

```
<bookno>2</bookno>
```

```
<bookname>C</bookname>
```

```
<authorname>Denis Ritchie</authorname>
```

```
<price>500</price>
```

```
<year>1971</year>
```

```
</book>
```

```
</BookInfo>
```

```
<?php
```

```
// Create a new XML document
```

```
$xml = new SimpleXMLElement('<?xml version="1.0" encoding="UTF-8"?><BookInfo></BookInfo>');
```

```
// Add first book
```

```
$book1 = $xml->addChild('book');
```



```

$book1->addChild('bookno', '1');
$book1->addChild('bookname', 'JAVA');
$book1->addChild('authorname', 'Balguru Swami');
$book1->addChild('price', '250');
$book1->addChild('year', '2006');

// Add second book
$book2 = $xml->addChild('book');
$book2->addChild('bookno', '2');
$book2->addChild('bookname', 'C');
$book2->addChild('authorname', 'Denis Ritchie');
$book2->addChild('price', '500');
$book2->addChild('year', '1971');

// Save XML to a file
$xml->asXML('books.xml');

echo "XML file 'books.xml' has been generated successfully!";
?>

```

Q4. Write a script to create XML file named employee.xml and parse the employee.xml data into tabular format using PHP script.

Employee.xml

```

<?xml version="1.0" encoding="utf-8"?>
<employee>
<emp>
<empno>111</empno>
<empname>John</empname>
<salary>10000</salary>
<designation>accountant</designation>
</emp>
<emp>
<empno>120</empno>
<empname>Jade</empname>
<salary>15000</salary>
<designation>Manager</designation>
</emp>
<emp>
<empno>122</empno>
<empname>Smith</empname>
<salary>17000</salary>
<designation>Manager</designation>
</emp>
<emp>
<empno>100</empno>
<empname>Robert</empname>
<salary>19000</salary>
<designation>Sr. Accountant</designation>
</emp>
</employee>

```

Employee.php

```

<?php
$name=$_GET['fname'];
$xml=simplexml_load_file($name) or die("Error: Cannot create object");
Echo "Contents of $name in tabular format: <br><br>";
Echo "<table border=1>
<tr><th>Emp No.</th>
<th>Name</th>
<th>Designation</th>
<th>Sal</th>
</tr>";
foreach($xml->children() as $books)
{
echo "<tr><td>" . $books->empno . "</td>";
Echo "<td>" . $books->empname . "</td>";
Echo "<td>" . $books->salary . "</td>";
Echo "<td>" . $books->designation . "</td>";
}
Echo "</table>";
?>

```

Q5. Write a PHP script to add a new book into book.xml and print a message “Book added successfully”.

Addbook.xml

```

<books>
  <book>
    <title>Harry Potter</title>
    <author>J.K. Rowling</author>
  </book>
  <book>
    <title>The Hobbit</title>
    <author>J.R.R. Tolkien</author>
  </book>
</books>

```

Addbook.php

```

<?php
$xml = simplexml_load_file('books.xml');

$newBook = $xml->addChild('book');
$newBook->addChild('title', 'The Lord of the Rings');
$newBook->addChild('author', 'J.R.R. Tolkien');

$xml->asXML('books.xml');
echo "New book added successfully!";
?>

```

SET-B

Q1. Write PHP script to read above created “book.xml” file into simpleXML object. Display attributes and elements .(Hint L simple_xml_load_file() function)

Book.xml

```

<books>

```

```

<book>
  <title>Harry Potter</title>
  <author>J.K. Rowling</author>
</book>
<book>
  <title>The Hobbit</title>
  <author>J.R.R. Tolkien</author>
</book>
</books>
Book.php
<?php
$xml=simplexml_load_file("book.xml");
foreach($xml->book as $b)
{
echo "Book No=$b->bookno <br>";
echo "Book Name=$b->bookname <br>";
echo "Author Name=$b->Authorname<br>";
echo "Price=$b->price <br>";
echo "Year=$b->year <br>";
}
?>

```

Q2. Write a PHP script to read “Movie.xml” file and print all MovieTitle and ActorName of file using DOMDocument Parser. “Movie.xml” file should contain following information with at least 5 records with values. MovieInfo MovieNo, MovieTitle, ActorName , ReleaseYear

movie.xml

```

<?xml version='1.0' encoding='UTF-8'?>
<MovieInfo>
<movie id="1">
<movieno>1</movieno>
<moviename>K3G</moviename>
<Actorname>SRK</Actorname>
<ReleaseYear>2003</ReleaseYear>
</movie>
<movie id="2">
<movieno>2</movieno>
<moviename>Sultan</moviename>
<Actorname>Sslman Khan</Actorname>
<ReleaseYear>2016</ReleaseYear>
</movie>
<movie id="3">
<movieno>3</movieno>
<moviename>Dangal</moviename>
<Actorname>Amir Khan</Actorname>
<ReleaseYear>2016</ReleaseYear>
</movie>
</MovieInfo>
Movie.php
<?php
$dom=new DOMDocument();
$dom->load("movieinfo.xml");

```

```

echo "<h2>Title of Movies</h2>";
$mname=$dom->getElementByTagName("moviename");
foreach($mname as $b)
echo "<b>$b->textContent<b><br><br>";
echo "<h2>Actor Names</h2>";
$aname=$dom->getElementByTagName("Actorname");
foreach($aname as $b)
echo "<b>$b->textContent<b><br><br>";
?>

```

Q3. Write a script to create XML file named item.xml and parse the item.xml data into tabular format using PHP script.

```

<Item>
<ItemName> .....</ItemName>
<ItemPrice> .....</ItemPrice>
<Quantity> .....</Quantity>
</Item>

```

Item.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="Item.css"?>
<Itemdetails>
<Item Id="1">
<Itemnm> Mouse</Itemnm>
<Itempr> 150</Itempr>
<Itemqt> 15</Itemqt>
</Item>
<Item Id="2">
<Itemnm> Monitor</Itemnm>
<Itempr> 2350</Itempr>
<Itemqt> 15</Itemqt>
</Item>
<Item Id="3">
<Itemnm> keyboard</Itemnm>
<Itempr> 550</Itempr>
<Itemqt> 25</Itemqt>
</Item><Item Id="4">
<Itemnm> Printer</Itemnm>
<Itempr> 3050</Itempr>
<Itemqt> 10</Itemqt>
</Item>
<Item Id="5">
<Itemnm> Scanner</Itemnm>
<Itempr> 4000</Itempr>
<Itemqt> 5</Itemqt>
</Item>
<Item Id="6">
<Itemnm> Pendrive</Itemnm>
<Itempr> 100</Itempr>
<Itemqt> 65</Itemqt>

```

```

</Item>
</Itemdetails>
Item.php
<?php
$name=$_GET['fname'];
$xml=simplexml_load_file($fname) or die("Error: Cannot create object");
echo "Contents of $fname in tabular format : <br><br>";
echo "<table border=1><tr><th>Item
No.</th><th>Name</th><th>Description</th><th>Price</th></tr>";
foreach($xml->children() as $product)
{
echo "<tr><td>".$product->Item Id."</td>";
echo "<td>".$product->Itemnm."</td>";
echo "<td>".$product->Itempr."</td>";
echo "<td>".$product->Itemqt."</td></tr>";
}
echo "</table>";
?>

```

Q4. Write a PHP script to create XML document for two students having name, address, grade and class attributes.

```

Students.php
<?php
// Sample XML data
$xmlData = <<<XML
<students>
  <student>
    <name>John Doe</name>
    <age>20</age>
    <grade>A</grade>
  </student>
  <student>
    <name>Jane Smith</name>
    <age>22</age>
    <grade>B</grade>
  </student>
</students>
XML;

// Load XML string
$xml = simplexml_load_string($xmlData);

// Display student information
foreach ($xml->student as $student) {
  echo "Name: " . $student->name . "<br>";
  echo "Age: " . $student->age . "<br>";
  echo "Grade: " . $student->grade . "<br><br>";
}
?>

```

Q5. Write a script to create XML file named Movie.xml and Store the details of 3 Movies of different Categories (Classical, Horror, Action).

Movie.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<Movies>
  <Classical>
    <Movie>
      <MovieTitle>Beethoven's Symphony</MovieTitle>
      <ActorName>Ludwig van Beethoven</ActorName>
      <ReleaseYear>1824</ReleaseYear>
    </Movie>
    <Movie>
      <MovieTitle>Mozart's Requiem</MovieTitle>
      <ActorName>Wolfgang Amadeus Mozart</ActorName>
      <ReleaseYear>1791</ReleaseYear>
    </Movie>
  </Classical>
  <Horror>
    <Movie>
      <MovieTitle>The Exorcist</MovieTitle>
      <ActorName>Linda Blair</ActorName>
      <ReleaseYear>1973</ReleaseYear>
    </Movie>
    <Movie>
      <MovieTitle>The Shining</MovieTitle>
      <ActorName>Jack Nicholson</ActorName>
      <ReleaseYear>1980</ReleaseYear>
    </Movie>
  </Horror>
  <Action>
    <Movie>
      <MovieTitle>Die Hard</MovieTitle>
      <ActorName>Bruce Willis</ActorName>
      <ReleaseYear>1988</ReleaseYear>
    </Movie>
    <Movie>
      <MovieTitle>Terminator 2: Judgment Day</MovieTitle>
      <ActorName>Arnold Schwarzenegger</ActorName>
      <ReleaseYear>1991</ReleaseYear>
    </Movie>
  </Action>
</Movies>
```

Assignment-4

SET-A

Q1. Write a JavaScript function to create an alert box.

```
<html>
<head>
<title>Alert Box</title>
<h3>Alert Box</h3>
<script type="text/javascript">
function sayHello()
{
alert("Hello JavaScript!")
}
</script>
</head>
<body bgcolor="lightblue">
<input type="button" onclick="sayHello()" value="Say Hello" />
</body>
</html>
```

Q2. Write a JavaScript function to create a Confirm box.

```
<html>
<head>
<title>Confirm Box</title>
</head>
<body bgcolor="mangocolor">

<h4>JavaScript Confirm Box</h4>
<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>
function myFunction() {
  var txt;
  if (confirm("Press a button!")) {
    txt = "You pressed OK!";
  } else {
    txt = "You pressed Cancel!";
  }
  document.getElementById("demo").innerHTML = txt;
}
</script>

</body>
</html>
```

Q3. Write a JavaScript function to create a Prompt box.

```
<html>
<head>
```

```

<title>Prompt Box</title>
<h4>JavaScript Prompt Box</h4>
<script language="javascript">
function disp_prompt()
{
var c=prompt("Please enter 1st Rank IT Company","Infosys")
if (c!=null && c!="")
{
document.write("Hello, " + c + " is the best IT company.")
}
}
</script>
</head>
<body bgcolor="lightgreen">
<input type="button" onclick="disp_prompt()"
value="Display a prompt box">
</body>
</html>

```

Q4. Write a JavaScript program to replace a specified value with another value in a string. [Hint: Use replace() method]

```

<html>
<head>
<title>Prompt Box</title>
<h4>JavaScript Prompt Box</h4>
<script language="javascript">
function disp_prompt()
{
var c=prompt("Please enter 1st Rank IT Company","Infosys")
if (c!=null && c!="")
{
document.write("Hello, " + c + " is the best IT company.")
}
}
</script>
</head>
<body bgcolor="lightgreen">
<input type="button" onclick="disp_prompt()"
value="Display a prompt box">
</body>
</html>

```

Q5. Write a JavaScript program to convert lowercase string to uppercase string using onChange event. [Hint; Use toUpperCase() method]

```

<html>
<head>
<title>Uppercase</title>
</head>
<script>

```



```

function myFunction()
{
var x=document.getElementById("fname");
x.value=x.value.toUpperCase();
}
</script>
</head>
<body bgcolor="lightyellow">
<h2>Function to convert text to uppercase</h2>
Enter Your name: <input type="text" id="fname"
onchange= "myFunction()">
<p>When we leave the input field, a function is triggered<br>
which transforms the input text to upper case.</p>
</body>
</html>

```

SET-B

Q1. Write a JavaScript to display message 'Exams are near, have you started preparing for?' using alert, prompt and confirm boxes. Accept proper input from user and display messages accordingly.

```

<html>
<body bgcolor=cyan>
<font color=blue size=8>
<p id=demo> </p>
<script>
alert("Exams are near, have you started preparing for?");
var person = prompt("Please enter your name", "Harry Potter");
if (person != null)
{
document.getElementById("demo").innerHTML = "Hello " + person+
",<br>Exams are near, have you started preparing for?";
}
window.confirm("Exams are near, have you started preparing for?");
</script>
<div id=demo></div>
</body>
</html>

```

Q2. Write a JavaScript function to validate username and password for a membership form.

```

<html>
<head>
  <title>Membership Form Validation</title>
  <style>
    .error {
      color: red;
    }
  </style>
</head>
<body bgcolor="grey"><font color="white">
  <h2>Membership Form Validation</h2>
  <form id="membershipForm" action="p1.html">

```

```

<div>
  <label for="username">Username:</label>
  <input type="text" id="username" name="username">
  <span id="usernameError" class="error"></span>
</div><br>
<div>
  <label for="password">Password:</label>
  <input type="password" id="password" name="password">
  <span id="passwordError" class="error"></span>
</div><br>
<div>
  <button type="submit">Register</button>
</div>
</form>

<script>
document.getElementById('membershipForm').addEventListener('submit', function(event) {
  // Prevent the form from submitting
  // event.preventDefault();

  // Reset error messages
  document.getElementById('usernameError').textContent = '';
  document.getElementById('passwordError').textContent = '';

  // Get form values
  var username = document.getElementById('username').value;
  var password = document.getElementById('password').value;

  // Validate username
  if (!isValidUsername(username)) {
    document.getElementById('usernameError').textContent = 'Username must be alphanumeric
and between 6 to 12 characters';
    return;
  }

  // Validate password
  if (!isValidPassword(password)) {
    document.getElementById('passwordError').textContent = 'Password must be at least 6
characters long and contain at least one uppercase letter, one lowercase letter, and one digit';
    return;
  }

  // If form is valid, you can do something like submitting the form
  //console.log('Form submitted successfully!');
  // Uncomment below line to actually submit the form
  event.target.submit();
});

function isValidUsername(username) {
  var usernameRegex = /^[a-zA-Z0-9]{6,12}$/;
  return usernameRegex.test(username);
}

```

```

    }

    function isValidPassword(password) {
        var passwordRegex = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)[a-zA-Z\d]{6,12}$/;
        return passwordRegex.test(password);
    }
</script>
</body>
</html>

```

Q3. Write a JavaScript Program to display an alert using button event onClick.

```

<html lang="en">
<head>
    <title>Button Click Event</title>
</head>
<body bgcolor="teal">
    <button id="myButton">Click Me</button>

    <script>
        document.getElementById('myButton').addEventListener('click', function() {
            alert('Button Clicked!');
        });
    </script>
</body>
</html>

```

Q4. Write a JavaScript program to design a Div element using events mouseover and mouseout.

```

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Mouse Over Event</title>
</head>
<body>
    <div id="myDiv" style="width: 200px; height: 200px; background-color: lightblue;"></div>

    <script>
        document.getElementById('myDiv').addEventListener('mouseover', function() {
            this.style.backgroundColor = 'lightgreen';
        });

        document.getElementById('myDiv').addEventListener('mouseout', function() {
            this.style.backgroundColor = 'lightblue';
        });
    </script>
</body>
</html>

```

Q5. Write a JavaScript program of image load event with status message.

```

<html>
<head>

```

```
<title>Image Load Event</title>
<script>
  function showStatus() {
    document.getElementById('status').innerHTML = 'Image loaded successfully!';
  }
</script>
</head>
<body>
  
  <p id="status"></p>
</body>
</html>
```

Assignment-5

SET-A

Q1. WriteAJAXprogram to read contact.txt file and print the contents of the file in a tabular format when the user clicks on print button. Contact.dat file should contain srno, name, residence number, mobile number, Address. [Enter at least 5 record in contact.txt file].

Contact.txt

1 Teena 02024371002 8098652315 Pune
2 Ahana 0206510072 9092563685 Mumbai
3 Madhuri 020925689 8736659845 Konkan
4 Namita 020608129 8483982211 Delhi
5 Pradnya 020662133 9821317881 Satara

Contact.php

```
<?php
$fp = fopen('contact.txt','r');
echo "<table border=1>";
echo "<tr><th>Sr.No.</th><th>Name</th><th>Residence No.</th><th>Mob.
no.</th><th>Address</th></tr>";
while($row = fscanf($fp,"%s %s %s %s %s"))
{
echo "<tr>";
foreach($row as $r)
echo "<td>$r</td>";
echo "</tr>";
}
echo "</table>";fclose($fp);
?>
```

Q2. Consider the following entities and their relationships. Event (eno , title , date) Committee (cno , name, head , from_time ,to_time ,status) Event and Committee have many to many relationship. Write a script to accept title of event and modify status committee as working.

Q3. Consider the following entities and their relationships Student (Stud_id,name,class) Competition (c_no,c_name,type) Relationship between student and competition is many-many with attribute rank and year. Create a RDB in 3NF for the above and solve the following. Using above database write a script in PHP to accept a competition name from user and display information of Student who has secured 1st rank in that competition.

Set B

Q1. Create TEACHER table as follows TEACHER (tno, tname, qualification, salary). Write Ajax program to select a teachers name and print the selected teacher's details.

Teacher.html

```
<html>
<body>
<script>
function display()
```

```

{
var x= new XMLHttpRequest();
var n= document.getElementById('n').value;
x.open("GET", "aj3.php?n="+n, true);
x.send( );
x.onreadystatechange = function()
{
if(x.readyState == 4 && x.status==200)
{
document.getElementById("show").innerHTML = x.responseText;
}
}
}
</script>
Teacher Name: <input type=text name='n' id='n'> <br><button onclick="display()" > Print</button>
<h1 id="show"> </h1>
</body>
</html>

```

Teacher.php

```

<?php
$name=$_GET['n'];
$con=pg_connect("host=172.168.0.254 port=5432 dbname=tybcsdb95 user=tybcs95") or
die("Could not connect");

$qry="select * from teacher where tname='$name' ";
$rs=pg_query($con,$qry) or die("Unable to execute query");
if($rs!=null)
{
echo"<table border=1>";
echo"<tr><td>Teacher Number</td><td>Teacher
Name</td><td>Qualification</td><td>Salary</td></tr>";
while($row=pg_fetch_row($rs))
{
echo"<tr>";
echo"<td>".$row[0]."</td>";
echo"<td>".$row[1]."</td>";
echo"<td>".$row[2]."</td>";
echo"<td>".$row[3]."</td>";
echo"</tr>";
}
echo"</table>";
}
else
echo"NO records found";
pg_close($con);
?>

```

2. Consider the following entities and their relationship. Doctor (doc_no, dname, address, city, area) Hospital (hosp_no, hname, hcity) Doctor-Hospital related with many-one relationship. Create

a RDB in 3NF For above and solve the following. Using above database write a script in PHP to print the Doctor Visiting to the hospital in tabular format.

```
<?php
$hosp=$_POST['hname'];
$db=pg_connect("host=172.168.0.254 user=tybcs1 dbname=tybcsdb1");
$result=pg_query("select dno,dname,address,area from doctor,hospital where
hospital.hosp_no=doctor.hosp_no and hname='$hosp'") or die("Could not Execute");
echo "<table border = 1 >";
echo "<tr><th>Doctor No.</th>
<th>Doctor Name</th>
<th>Address</th>
<th>Area</th></tr>";
while($row=pg_fetch_row($result))
{
echo "<tr><td>".$row[0]."</td><td>".$row[1]."</td><td>".$row[2]."</td><td>".$row[3]."</td></tr>";
}
echo "</table>";
?>
```