SET-1

1.
```html
<!DOCTYPE HTML>
<html>
<head>
<script type ="text/javascript">
function str_vowel()
{
var str=prompt("Enter a string\n","");
  for(var i = 0; i<str.length; i++)
    {
        if (str.charAt(i) =='a' || str.charAt(i) == 'e' || str.charAt(i) =='i'
|| str.charAt(i) == 'o' || str.charAt(i) == 'u' || str.charAt(i) == 'A' ||
str.charAt(i) == 'E' || str.charAt(i) =='I' || str.charAt(i) =='O' || str.charAt(i) == 'U')
        {
document.write("The entered string is:" +str+ "<br/>");
  document.write("The leftmost vowel is :"+str.charAt(i)+"<br/>");
var pos = i+1;
        document.write("The position of the leftmost vowel " +str.charAt(i)+ " is:" +pos+"\n");
        exit;
        }
    }
  document.write("The entered string is:" +str+ "<br/>");
  document.write("The entered string has no vowels");
  }
</script>
</head>
<body onload="str_vowel()">
</body>
</html>
```
2

```html
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>jQuery get() Demo</title>

 <script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
 <script>
 $(document).ready(function(){
    $("button").click(function(){
       $.get("date-time.php", function(data){
           // Display the returned data in browser
           $("#result").html(data);
       });
    });
 });
 </script>
 </head>
 <body>
    <div id="result">
<h2> The XMLHttpRequest Object by the server date and time</h2>
<button type="button">Load Date and Time</button>
    </div>
</body>
</html>
```
date-time.php
```php
<?php
// Return current date and time from theserver
date_default_timezone_set("Asia/Kolkata");
echo date("F d, Y h:i:s A");
?>
```

SET-2

```
<!DOCTYPE html>
<html>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
<body>
<script>
var app = angular.module("myShoppingList", []); app.controller("myCtrl", function($scope) {
    $scope.products = ["Milk", "Bread", "Cheese"];
    $scope.addItem = function () {
        $scope.errortext = "";
        if (!$scope.addMe) {return;}
        if ($scope.products.indexOf($scope.addMe) == -1) {
            $scope.products.push($scope.addMe);
        } else {
            $scope.errortext = "The item is already in your shopping list.";
        }
    }
    $scope.removeItem = function (x) {
        $scope.errortext = "";
        $scope.products.splice(x, 1);
    }
    });
    </script>
<div ng-app="myShoppingList" ng-controller="myCtrl">
    <ul>
        <li ng-repeat="x in products">{{x}}<span ng-click="removeItem($index)">×</span></li>
    </ul>
    <input ng-model="addMe">
    <button ng-click="addItem()">Add</button>
    <p>{{errortext}}</p>
</div>
<p>Try to add the same item twice, and you will get an error message.</p>
</body>
</html>
```

2

```
<!doctype html>
<body>
<form action="/mobile/MobileDetails" method="post">
<fieldset style="width:25%; background-color:blue">
<h2 align="center">Mobile Details form</h2><hr>
<table>
<tr><td>Model Number</td>
<td><input type="text" name="ModelId" required /></td></tr>
<tr><td>Mobile Price</td>
<td><input type="text" name="Price" required /></td></tr>
<tr><td>Mobile Company</td>
<td><input type="text" name="Company" required /></td></tr>
<tr><td>Mobile Color</td>
<td><input type="text" name="Color" required/></td></tr>
<tr><td><input type="reset" value="Reset"/></td>
<td><input type="submit" value="Register"/></td></tr>
</table>
</fieldset>
</form>
</body>
</html>
```

Mobiledetails.java
```
import java.io.*;
import java.sql.*;
import javax.servlet.ServletException;
import javax.servlet.http.*;
public class MobileDetails extends HttpServlet
{
```

```java
public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException
{
response.setContentType("text/html");
PrintWriter out = response.getWriter();
System.out.println(request.getParameter("ModelId"));
String model = request.getParameter("ModelId");
int price = Integer.parseInt(request.getParameter("Price"));
String company = request.getParameter("Company");
String color = request.getParameter("Color");
try
{
//load the driver
Class.forName("com.mysql.jdbc.Driver");
//create connection object
Connection con=DriverManager.getConnection(
"jdbc:mysql://localhost:3306/mobile","root","");
//create the prepared statement object
PreparedStatement ps=con.prepareStatement("insert into MobileDetails values(?,?,?,?)");
ps.setString(1,model);
ps.setInt(2,price);
ps.setString(3,company);
ps.setString(4, color);
int i = ps.executeUpdate();
if(i>0)
out.print("<font color='green' size='4'>Record inserted successfully...</font>");
//create the statement object
Statement stmt = con.createStatement();
String sql;
sql = "SELECT * FROM MobileDetails";
ResultSet rs = stmt.executeQuery(sql);
out.println("<table border=1 >");
out.println("<caption><h2>Mobile Details</h2></caption>");
out.println("<tr style='background-color:#ffffb3; color:red'>");
out.println("<th>Model Id</th>");
out.println("<th>Price(Rs.)</th>");
out.println("<th>Company</th>");
out.println("<th>Color</th>");
out.println("</tr>");
// Extract data from result set
while(rs.next())
{
//Retrieve by column name
String mModel = rs.getString("ModelId");
int mPrice = rs.getInt("Price");
String mCompany = rs.getString("Company");
String mColor = rs.getString("Color");
//Display values
out.println("<tr style='background-color:#b3ffd9;'>");
out.println("<td>" + mModel + "</td>");
out.println("<td>" + mPrice + "</td>");
out.println("<td>" + mCompany + "</td>");
out.println("<td>" + mColor + "</td>");
out.println("</tr>");
}
out.println("</table>");
out.println("<a href='register.html'>Home</a>");
// Clean-up environment
rs.close();
stmt.close();
con.close();
}
catch (Exception ex)
{
ex.printStackTrace();
}
out.close();
}
}
```

Web.xml
```xml
<web-app>
    <servlet>
```

```
        <servlet-name>MobileDetails</servlet-name>
        <servlet-class>MobileDetails</servlet-class>
    </servlet>
<servlet-mapping>
        <servlet-name>MobileDetails</servlet-name>
        <url-pattern>/servlet/MobileDetails</url-pattern>
    </servlet-mapping>
    <welcome-file-list>
        <welcome-file>register.html</welcome-file>
    </welcome-file-list>
 </web-app>
```

SET-3

1

login.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>LOGIN PAGE</title>
    </head>
    <body>
        <form action="forward.jsp" method="post">
            <h1>Enter your Credentials !</h1>
            <h3>Username: <input type="text" name = "uname"/></h3>
            <h3>Password: <input type="password" name = "pwd"/></h3>
            <input type ="submit" value="SUBMIT">
            <input type ="reset"/>
        </form>
    </body>
</html>
```

forward.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="java.io.File"%>
<%if(request.getParameter("uname").equals("CSE")&&request.getParameter("pwd").eq uals("griet"))
{%>
<jsp:forward page="welcomePage.jsp"/>
<%} else {%>
<h3>Invalid Username or Password</h3>
<%@include file="login.jsp"%>
<%}%>
```

welcomePage.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>WelcomePage</title>
    </head>
    <body>
        <h1>Welcome to<%=request.getParameter("uname")%></h1>
        </body>
</html>
```

2

```
<!DOCTYPE html>
<html>
<body>
<?php
function pr($c){
for($i=0;$i<3;$i++){
for($j=0;$j<3;$j++)
```

```php
{
echo $c[$i][$j]." ";
}echo "<br>";
}echo "<br>";

}
$a = [[1,1,3],[4,5,6],[7,8,9]];
$b = [[6,8,9],[4,5,6],[4,2,3]];
echo "<b>First Matrix : </b><br>" ; pr($a);
echo "<b>Second Matrix : </b><br>"; pr($b);
for ($i=0; $i < 3; $i++)
for ($j=0; $j < 3; $j++)
$c[$i][$j] = $a[$j][$i];
echo "<b>Transpose Of First Matrix : </b><br>"; pr($c);
for ($i=0; $i < 3; $i++)
for ($j=0; $j < 3; $j++)
$c[$i][$j] = $b[$j][$i];
echo "<b>Transpose Of Second Matrix : </b><br>"; pr($c);
for ($i=0; $i < 3; $i++)
for ($j=0; $j < 3; $j++)
$c[$i][$j] = $a[$i][$j] + $b[$i][$j];
echo "<b>Addition Of Two Matrix : </b><br>"; pr($c);
for ($i=0; $i < 3; $i++)
for ($j=0; $j < 3; $j++){
$c[$i][$j] = 0;
for ($k=0; $k < 3; $k++)
$c[$i][$j] += $a[$i][$k] * $b[$k][$j];
}
echo "<b>Multiplication Of Two Matrix : </b><br>"; pr($c);
?>
</body>
</html>
```

SET-4

```html
1<!DOCTYPE html>
<html>
<body>
<div id="h"></div>
<script>
var v = 0, f = 1,t="TEXT-GROWING",color; function a()

{
if(f==1) v+=5,color="red"; else
v-=5,color="blue";
document.getElementById("h").innerHTML = "<h1 style=\"font-size: "+v+"px ;margin:0px; color : "+color+"\"><b>
"+t+"</b></h1>";
if(v==50)
f = 0, t="TEXT-SHRINKING";
if(v==5)
f = 1, t="TEXT-GROWING"; c();
}
function c()
{
setTimeout(a,100);
} c();
</script>
</body>
</html>
```

2

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>jQuery get() Demo</title>
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
<script>
$(document).ready(function(){
    $("button").click(function(){
        $.get("date-time.php", function(data){
            // Display the returned data in browser
            $("#result").html(data);
```

```
        });
      });
    });
    </script>
    </head>
    <body>
      <div id="result">
<h2> The XMLHttpRequest Object by the server date and time</h2>
<button type="button">Load Date and Time</button>
      </div>
    </body>
    </html>
```

date-time.php
```php
<?php
// Return current date and time from theserver
date_default_timezone_set("Asia/Kolkata");
echo date("F d, Y h:i:s A");
?>
```

SET-5

```php
<html>
<body>
<?php
$states = "Mississippi Alabama Texas Massachusetts Kansas";
$b = explode(' ',$states);
echo "<br>ORIGINAL ARRAY :<br>";
foreach ( $b as $i => $value ) echo "states[$i] = $value<br>"; foreach ($b as $c)
{
$n = strlen($c);
if($c[$n-1]=='s' && $c[$n-2]=='a' && $c[$n-3]=='x') $d[0] = $c; if($c[0]=='K' && $c[$n-1]=='s') $d[1] = $c;
if($c[0]=='M' && $c[$n-1]=='s') $d[2] = $c;
if($c[$n-1]=='a') $d[3] = $c;
}
echo "<br>RESULTANT ARRAY :<br>";
for ($i=0; $i < count($d); $i++) echo "statesList[$i] = $d[$i]<br>";
?>
</body>
</html>
```

2

```html
<!DOCTYPE html>
<html lang="en">
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
<body>
<h1>student Information</h1>
<div ng-app="myApp" ng-controller="formCtrl">
  <form novalidate>
    First Name:<br>
    <input type="text" ng-model="student.firstName"><br>
    Last Name:<br>
    <input type="text" ng-model="student.lastName"><br>
    DoB:<br>
    <input type="date" id="dob" ng-model="student.DoB"><br>
    Gender:<br>
    <select id="gender" ng-model="student.gender">
      <option value="male">Male</option>
      <option value="female">Female</option>
    </select><br>
    Training Type:<br>
```

```html
<label><input value="online" type="radio" name="training" ng-model="student.trainingType" />Online</label><br>
<label><input value="onsite" type="radio" name="training" ng-model="student.trainingType" />OnSite</label><br>
Subjects:<br>
<label><input type="checkbox" ng-model="student.maths" />Maths</label><br>
<label><input type="checkbox" ng-model="student.physics" />Physics</label><br>
<label><input type="checkbox" ng-model="student.chemistry"/>Chemistry</label><br>
<br><br>
<button type="button" onclick="alert('student saved successfully')">SUBMIT</button>
  <button ng-click="reset()">RESET</button>
 </form>
  <p>form = {{student}}</p>
 </div>
<script>
var app = angular.module('myApp', []);
app.controller('formCtrl', function($scope) {
   $scope.master = {};
   $scope.reset = function() {
      $scope.student = angular.copy($scope.master);
   };
   $scope.reset();
});
</script>
</body></html>
```

SET-6

1

```html
<!DOCTYPE html>
<html>
 <body>
  <script>
   function reverse() {
     var r,rev=0,n;
     n = parseInt(prompt("enter a number:"));
     while (n != 0) {
      r = n % 10;
      rev = rev * 10 + r;
      n = parseInt(n / 10);
     }
     document.write("reverse of number is:"+rev);
   }
  </script>
  <form>
   <input type="button" value="reverse" onclick="reverse();" />
  </form>
 </body>
```

2

```html
<!DOCTYPE html>
<html>
<head>
```

```php
</head>
<body>
<?php
$domain = "localhost";
$username = "root";
$password = "";
$dbname = "student";
$a = [];
$conn = mysqli_connect($domain, $username, $password, $dbname); if ($conn->connect_error)
die("Connection failed: " . $conn->connect_error);
$sql = "SELECT * FROM studentinfo";
$result = $conn->query($sql); echo "<br>";
echo "<h2>BEFORE SORTING</h2>";
echo "<table border='2'>"; echo "<tr>";
echo "<th>USN</th><th>Name</th><th>Address</th></tr>"; if ($result->num_rows > 0) {
while ($row = $result->fetch_assoc()) { echo "<tr>";
echo "<td>" . $row["usn"] . "</td>";
echo "<td>" . $row["name"] . "</td>";
echo "<td>" . $row["address"] . "</td></tr>"; array_push($a, $row["usn"]);
}
} else
echo "Table is Empty"; echo "</table>";
$n = count($a);
for ($i = 0; $i < ($n - 1); $i++) {
$pos = $i;
for ($j = $i + 1; $j < $n; $j++) { if ($a[$pos] > $a[$j])
$pos = $j;
}
if ($pos != $i) {
$temp = $a[$i];
$a[$i] = $a[$pos];
$a[$pos] = $temp;
}
}
$c = [];
$d = [];
$result = $conn->query($sql); if ($result->num_rows > 0) {
while ($row = $result->fetch_assoc()) { for ($i = 0; $i < $n; $i++) {
if ($row["usn"] == $a[$i]) {
$c[$i] = $row["name"];
$d[$i] = $row["address"];
}
}
}
}
echo "<br>";
echo "<h2>AFTER SORTING</h2>";
echo "<table border='2'>"; echo "<tr>";
echo "<th>USN</th><th>NAME</th><th>Address</th></tr>"; for ($i = 0; $i < $n; $i++) {
echo "<tr>";
echo "<td>" . $a[$i] . "</td>";
echo "<td>" . $c[$i] . "</td>"; echo "<td>" . $d[$i] . "</td></tr>";
}
echo "</table>";
$conn->close();
?>
```

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

SET-7

1

```
<html>
<head>
</head>
<body>
<h2 style="text-align:center;"> The Square & Cubes for 1 -10</h2>
<table align="center" border=1>
<tr><td>number</td><td>square</td><td>cube</td></tr>
<script type="text/javascript"> for(var n=0; n<=10; n++)
{
document.write( "<tr><td>" + n + "</td><td>" + n*n + "</td><td>" + n*n*n+ "</td></tr>" ) ;
}
</script>
</table>
</body>
</html>
```

2

```
<!DOCTYPE html>
<html>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
<body>
<script>
var app = angular.module("myShoppingList", []); app.controller("myCtrl", function($scope) {
$scope.products = ["Milk", "Bread", "Cheese"];
$scope.addItem = function () {
$scope.errortext = "";
if (!$scope.addMe) {return;}
if ($scope.products.indexOf($scope.addMe) == -1) {
$scope.products.push($scope.addMe);
} else {
$scope.errortext = "The item is already in your shopping list.";
}
}
$scope.removeItem = function (x) {
$scope.errortext = "";
$scope.products.splice(x, 1);
}
});
</script>
<div ng-app="myShoppingList" ng-controller="myCtrl">
<ul>
<li ng-repeat="x in products">{{x}}<span ng-click="removeItem($index)">×</span></li>
</ul>
<input ng-model="addMe">
<button ng-click="addItem()">Add</button>
<p>{{errortext}}</p>
</div>
<p>Try to add the same item twice, and you will get an error message.</p>
```

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

SET-8

```html
<html>
<head>
</head>
<body>
<h2 style="text-align:center;"> The Square & Cubes for 1 -10</h2>
<table align="center" border=1>
<tr><td>number</td><td>square</td><td>cube</td></tr>
<script type="text/javascript"> for(var n=0; n<=10; n++)
{
document.write( "<tr><td>" + n + "</td><td>" + n*n + "</td><td>" + n*n*n+ "</td></tr>" ) ;
}
</script>
</table>
</body>
</html>
```

2

```html
<!DOCTYPE html>
<html lang="en">
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
<body>
<h1>student Information</h1>
<div ng-app="myApp" ng-controller="formCtrl">
  <form novalidate>
    First Name:<br>
    <input type="text" ng-model="student.firstName"><br>
    Last Name:<br>
    <input type="text" ng-model="student.lastName"><br>
    DoB:<br>
    <input type="date" id="dob" ng-model="student.DoB"><br>
    Gender:<br>
    <select id="gender" ng-model="student.gender">
      <option value="male">Male</option>
      <option value="female">Female</option>
    </select><br>
    Training Type:<br>
    <label><input value="online" type="radio" name="training" ng-model="student.trainingType" />Online</label><br>
    <label><input value="onsite" type="radio" name="training" ng-model="student.trainingType" />OnSite</label><br>
    Subjects:<br>
    <label><input type="checkbox" ng-model="student.maths" />Maths</label><br>
 <label><input type="checkbox" ng-model="student.physics" />Physics</label><br>
 <label><input type="checkbox" ng-model="student.chemistry"/>Chemistry</label><br>
 <br><br>
<button type="button" onclick="alert('student saved successfully')">SUBMIT</button>
    <button ng-click="reset()">RESET</button>
  </form>
  <p>form = {{student}}</p>
  </div>
<script>
```

```
var app = angular.module('myApp', []);
app.controller('formCtrl', function($scope) {
    $scope.master = {};
    $scope.reset = function() {
        $scope.student = angular.copy($scope.master);
    };
    $scope.reset();
});
</script>
</body>
</html>
```

Set-9

```
<!DOCTYPE html>
<html lang = "en">
<head>
<title> JavaScript Calculator </title>
<style>
h1 {
text-align: center; padding: 23px;
background-color: skyblue; color: white;
}
#clear{ width: 270px;
border: 3px solid gray; border-radius: 3px; padding: 20px; background-color: red;
}
.formstyle
{
width: 300px; height: 530px; margin: auto;
border: 3px solid skyblue; border-radius: 5px; padding: 20px;
}
input
{
width: 20px;
background-color: green; color: white;
border: 3px solid gray; border-radius: 5px; padding: 26px; margin: 5px;
font-size: 15px;
}
#calc{
width: 250px;
border: 5px solid black; border-radius: 3px; padding: 20px; margin: auto;
}
</style>
</head>
<body>
<h1> Calculator Program in JavaScript </h1>
<div class= "formstyle">
<form name = "form1">
```

```html
<!-- This input box shows the button pressed by the user in calculator. -->
<input id = "calc" type ="text" name = "answer"> <br> <br>
<!-- Display the calculator button on the screen. -->
<!-- onclick() function display the number prsses by the user. -->
<input type = "button" value = "1" onclick = "form1.answer.value += '1' ">
<input type = "button" value = "2" onclick = "form1.answer.value += '2' ">
<input type = "button" value = "3" onclick = "form1.answer.value += '3' ">
<input type = "button" value = "+" onclick = "form1.answer.value += '+' ">
<br> <br>
<input type = "button" value = "4" onclick = "form1.answer.value += '4' ">
<input type = "button" value = "5" onclick = "form1.answer.value += '5' ">
<input type = "button" value = "6" onclick = "form1.answer.value += '6' ">
<input type = "button" value = "-" onclick = "form1.answer.value += '-' ">
<br> <br>
<input type = "button" value = "7" onclick = "form1.answer.value += '7' ">
<input type = "button" value = "8" onclick = "form1.answer.value += '8' ">
<input type = "button" value = "9" onclick = "form1.answer.value += '9' ">
<input type = "button" value = "*" onclick = "form1.answer.value += '*' ">
<br> <br>
<input type = "button" value = "/" onclick = "form1.answer.value += '/' ">
<input type = "button" value = "0" onclick = "form1.answer.value += '0' ">
<input type = "button" value = "." onclick = "form1.answer.value += '.' ">
<!-- When we click on the '=' button, the onclick() shows the sum results on the calculator screen. -->
<input type = "button" value = "=" onclick = "form1.answer.value = eval(form1.answer.value) ">
<br>
<!-- Display the Cancel button and erase all data entered by the user. -->
<input type = "button" value = "Clear All" onclick = "form1.answer.value = ' ' " id= "clear">
<br>
</form>
</div>
</body>
</html>
2
<!DOCTYPE html>
<html>
<body>
<?php
function pr($c){
for($i=0;$i<3;$i++){
for($j=0;$j<3;$j++)
{
echo $c[$i][$j]." ";
}echo "<br>";
}echo "<br>";
}
$a = [[1,1,3],[4,5,6],[7,8,9]];
$b = [[6,8,9],[4,5,6],[4,2,3]];
echo "<b>First Matrix : </b><br>" ; pr($a);
echo "<b>Second Matrix : </b><br>"; pr($b);
for ($i=0; $i < 3; $i++)
for ($j=0; $j < 3; $j++)
$c[$i][$j] = $a[$j][$i];
echo "<b>Transpose Of First Matrix : </b><br>"; pr($c);
for ($i=0; $i < 3; $i++)
for ($j=0; $j < 3; $j++)
$c[$i][$j] = $b[$j][$i];
```

```php
echo "<b>Transpose Of Second Matrix : </b><br>"; pr($c);
for ($i=0; $i < 3; $i++)
for ($j=0; $j < 3; $j++)
$c[$i][$j] = $a[$i][$j] + $b[$i][$j];
echo "<b>Addition Of Two Matrix : </b><br>"; pr($c);
for ($i=0; $i < 3; $i++)
for ($j=0; $j < 3; $j++){
$c[$i][$j] = 0;
for ($k=0; $k < 3; $k++)
$c[$i][$j] += $a[$i][$k] * $b[$k][$j];
}
echo "<b>Multiplication Of Two Matrix : </b><br>"; pr($c);
?>
</body>
</html>
```

SET-10

```html
<html>
<head>
<style>
 table, td, th
 {
  border: 1px solid black;
  width: 35%;
  text-align: center;
  background-color: lightgreen;
 }
  table {margin:auto;}
  input,p {text-align:right;color:blue;}
</style>
</head>
<body>
 <form method="post" action="calculator.php">
  <table>
  <caption><h2> SIMPLE CALCULATOR </h2></caption>
  <tr>
   <td>First Number:</td><td><input type="text" name="num1" /></td>
   <td rowspan="2"><button type="submit" name="submit" value="calculate">Calculate</td></tr>
  <tr>
   <td>Second Number:</td><td><input type="text" name="num2"/></td>
  </tr>
 </form>
 <?php
if(isset($_POST['submit'])) // it checks if the input submit is filled
{
 $num1 = $_POST['num1'];
 $num2 = $_POST['num2'];
 if(is_numeric($num1) and is_numeric($num2) )
 {
  echo "<tr><td> Addition :</td><td><p>".($num1+$num2)."</p></td>";
  echo "<tr><td> Subtraction :</td><td><p> ".($num1-$num2)."</p></td>";
  echo "<tr><td> Multiplication :</td><td><p>".($num1*$num2)."</p></td>";
  echo "<tr><td>Division :</td><td><p> ".($num1/$num2)."</p></td>";
  echo "</table>";
 }
 else
```

```
  {
  echo"<script> alert(' ENTER VALID NUMBER');</script>";
  }
 }
 ?>
</body>
</html>
```

2

```
<html>
<body>
<?php
$states = "Mississippi Alabama Texas Massachusetts Kansas";
$b = explode(' ',$states);
echo "<br>ORIGINAL ARRAY :<br>";
foreach ( $b as $i => $value ) echo "states[$i] = $value<br>"; foreach ($b as $c)
{
$n = strlen($c);
if($c[$n-1]=='s' && $c[$n-2]=='a' && $c[$n-3]=='x') $d[0] = $c; if($c[0]=='K' && $c[$n-1]=='s') $d[1] = $c;
if($c[0]=='M' && $c[$n-1]=='s') $d[2] = $c;
if($c[$n-1]=='a') $d[3] = $c;
}
echo "<br>RESULTANT ARRAY :<br>";
for ($i=0; $i < count($d); $i++) echo "statesList[$i] = $d[$i]<br>";
?>
</body>
</html>
```