

3) JS Form Validation

```
<!DOCTYPE html>
<html>
  <head>
    <script src="formnew3.js">    </script>
  </head>
  <body style="position: relative;
  bottom:-100px ;
  background-image:url('formimg.jpg');
  background-repeat: no-repeat;
  background-size: 100%;">

  <center>
    <h1>FROM VALIDATION</h1>
    <form name="myform" method="post" action="" onsubmit="return validateform()">
      Name: <input type="text" name="name" /><br />
      <br />
      Email: <input type="email" name="email" minlength="10"/><br />
      <br />
      Password: <input type="password" name="password"><br/> <br>
      Location: <input type="text" name="location" placeholder="enter location here"><br /><br />
      Phone No:<input type="text" name="phno" maxlength="10"><br><br>
      Gender: <input type="radio" name="gender" value="male">Male
      <input type="radio" name="gender" value="female">Female<br><br>
      <input type="submit" value="submit" />
    </form>
  </center>
</body>
</html>
```

```
function validateform() {
  let name = document.myform.name.value
  let email = document.myform.email.value
  let password=document.myform.password.value
  let location = document.myform.location.value
  let phno = document.myform.phno.value
  let gender = document.myform.gender.value
  if (name == null || name == "") {
    alert("Name can't be blank")
    return false
  }
  else if (email == null)
  {

    alert(
      'Mail must be at least 6 characters long or check and enter a valid mail id'
    )
    return false
  }
  else if (location == null || location == "")
  {
    alert("location can't be blank ")
    return false
  }
  else if (password.length < 6)
  {
    alert('Password must be at least 6 characters long.')
    return false
  }
  else if (phno == null || phno == "")
  {
    alert('Enter a valid mobile No')
    return false
  }
  else if (!gender.length)
  {
```

```

    alert('You must select male or female')
    return false
  }
}

```

4) a Retrieve text file from web server

Index.html

```

<!DOCTYPE html>
<html>
<body>
<div id="demo">
<h1>The XMLHttpRequest Object</h1>
<button type="button" onclick="loadDoc()">Change Content</button>
</div>
<script>
function loadDoc() {
const xhttp = new XMLHttpRequest(); xhttp.onreadystatechange = function() {
if (this.readyState == 4 && this.status == 200) {
document.getElementById("demo").innerHTML =this.responseText; }
};
xhttp.open("GET", "ajax.txt", true); xhttp.send();
}
</script>
</body>
</html>

```

Ajax.txt

AJAX is not a programming language.

AJAX is a technique for accessing web servers from a web page.

AJAX stands for Asynchronous JavaScript And XML.

4b) retrieve data from xml file

```

<!DOCTYPE html>
<html>
<body bgcolor="FloralWhite">
<h1><center><font face="Arial">The XMLHttpRequest Object Form XML File</font></center></h1>
<p><b>Status: </b><span id ="A1"></span></p>
<p><b>Status Text: </b><span id ="A2"></span></p>
<p><b>Response: </b><span id ="A3"></span></p>
<button type="button" onclick="loadDoc('assign.xml')">Click here</button>
<script>
function loadDoc(url)
{
var xhttp = new XMLHttpRequest();
xhttp.onreadystatechange = function()
{
if (this.readyState == 4 && this.status == 200)
{
document.getElementById("A1").innerHTML =this.status; document.getElementById("A2").innerHTML = this.statusText;
document.getElementById("A3").innerHTML = this.responseText; }
};
xhttp.open("GET", url , true);
xhttp.send();
}
</script>
</body>
</html>

```

assign.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<books>
  <heading>Welcome To GeeksforGeeks </heading>
  <book>
    <title>Title -: Web Programming</title>
    <author>Author -: Chrisbates</author>
  </book>
</books>

```

```

        <publisher>Publisher -: Wiley</publisher>
        <edition>Edition -: 3</edition>
        <price> Price -: 300</price>
    </book>
</books>

```

5) Webpage using xml and css

Books.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="Rules.css"?>
<books>
    <heading>Welcome To GeeksforGeeks </heading>
    <book>
        <title>Title -: Web Programming</title>
        <author>Author -: Chrisbates</author>
        <publisher>Publisher -: Wiley</publisher>
        <edition>Edition -: 3</edition>
        <price> Price -: 300</price>
    </book>
    <book>
        <title>Title -: Internet world-wide-web</title>
        <author>Author -: Ditel</author>
        <publisher>Publisher -: Pearson</publisher>
        <edition>Edition -: 3</edition>
        <price>Price -: 400</price>
    </book>
    <book>
        <title>Title -: Computer Networks</title>
        <author>Author -: Foruouzan</author>
        <publisher>Publisher -: Mc Graw Hill</publisher>
        <edition>Edition -: 5</edition>
        <price>Price -: 700</price>
    </book>
    <book>
        <title>Title -: DBMS Concepts</title>
        <author>Author -: Navath</author>
        <publisher>Publisher -: Oxford</publisher>
        <edition>Edition -: 5</edition>
        <price>Price -: 600</price>
    </book>
    <book>
        <title>Title -: Linux Programming</title>
        <author>Author -: Subhitab Das</author>
        <publisher>Publisher -: Oxford</publisher>
        <edition>Edition -: 8</edition>
        <price>Price -: 300</price>
    </book>
</books>

```

Rules.css

```

books {
    color: white;
    background-color : gray;
    width: 100%;
}
heading {
    color: green;
    font-size : 40px;
    background-color : powderblue;
}
heading, title, author, publisher, edition, price {
    display : block;
}
title {
    font-size : 25px;
    font-weight : bold;
}

```

```
}
```

6) Angular directives

```
<!doctype html>
<html ng-app="myModule">
<head>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min
.js"></script>
<script src="book.js"></script>
<link rel="stylesheet" href="book.css">
<link rel="stylesheet" href="https://netdna.bootstrapcdn.com/twitterbootstrap/2.0.4/css/bootstrap-combined.min.css">
</head>
<body><center><h1>The Book Details</h1>
<div ng-controller="myController">
<table>
<thead>
<tr>
<th>Title of Book</th>
<th>Author Name</th>
<th> Publisher Name</th>
<th> Price of the Book</th>
</tr>
</thead>
<tbody>
<tr ng-repeat="book in books">
<td>{{book.title | uppercase}}</td>
<td>{{book.author}}</td>
<td>{{book.publisher}}</td>
<td>{{book.price}}</td>
</tr>
</tbody>
</center>
</body>
</html>
```

book.css

```
body{
  font-family:Arial;
}
table{
  border-collapse: collapse;
}
td{
  border:1px solid black;
  padding: 5px;
}
th{
  border:1px solid black;
  padding: 5px;
  text-align: left;
}
```

book.js

```
var myApp = angular.module("myModule",[])
.controller("myController",function($scope){
  var books=[
    {title:"Junior Level Books Introduction to Computer",author:"Amit Garg",
    publisher:"Reader's Zone",price:"Rs.200/-" },
    {title:"Client Server Computing",author:" Lalit Kumar ", publisher:"Sun India Publications",price:"Rs.400/-" },
    {title:" Mobile Computing",author:"Vinay Kumar Singhal", publisher:"K Nath & Sons",price:"Rs.150/-" },
    {title:"CBOT",author:"Verma", publisher:
      "Thakur Publications ",price: "Rs.80/-" },
  ];
  $scope.books=books;
});
```

7) Angular expressions

```
<!doctype html>
<html ng-app>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min
js"></script>
<link rel="stylesheet" href="https://netdna.bootstrapcdn.com/twitterbootstrap/2.0.4/css/bootstrap-combined.min.css">
</head>
<body ng-app><h1><center>Angular JS Expressions</center></h1>
<div>
<h3>Angular JS Expressions for Evaluation</h3>
The value is: {{1+2*2}}
</div>
<div>
<h3>Angular JS Expressions for Array</h3>
The Array : {{[1,2,3,4,5,6,7,8,9][4]}}
</div>
<h3>Angular JS Expressions for Opertors</h3>
<div>
The Opertors is: {{1==1}}
</div>
<div>
The Opertors is: {{1==2}}
</div>
<h3>Angular JS Expressions for Numbers</h3>
<div ng-init="a=100;b=50">
the sum is: {{(a+b)}}

</div>
<h3>Angular JS Expressions for String</h3>
<div ng-init="s1='Welcome';s2='AngularJS'">
{{(s1+s2)}}

</div>
<h3>Angular JS Expressions for objects</h3>
<div ng-init="obj={s1:'Thank',s2:'You'}">
{{(obj.s1+" "+obj.s2)}}
</div>

</body>
</html>
```

8) Jquery selectors

```
<!DOCTYPE html>
<html>
<head>
<style>
h1{
color: black;

}
body{
text-align: center;
background-color:floralwhite;
}
#hide{
width: 50px;
margin: 0 auto;
}
</style>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script>
$(document).ready(function(){
$("#hide").click(function(){
```

```

        $(".p").hide();
    });
    $("#show").click(function(){
        $(".p").show();
    });
});
</script>
</head>
<body>
<h1>jQUERY SELECTORS</h1>
<h2>(39120109 -Sharon Swetha X)</h2>
<div id="test">
<h2 style="color: brown">Sathyabama University</h2>
<p style="color: red">On clicking hide button...This line will be disappeared</p>
<button id="hide" style="background-color: brown; color:whitesmoke">Hide</button>&nbsp;
<button id="show" style="background-color: brown; color:whitesmoke"> Show</button>&nbsp;
<button id="unselect" style="background-color: brown; color:whitesmoke">Unselect</button>
</div>
</body>
</html>

```

9) JQuery Events

```

<!DOCTYPE html>
<html>
<head>
<Title>39120109-JQuery Events</Title>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script>
$(document).ready(function(){
    $("#Tweet_head").click(function(){
        $("#Tweet_text").slideDown("slow");
        $("#Tweet_text").fadeOut("fast");
        $("#Tweet_text").fadeIn("fast");
    });
});
</script>

<style>
#Tweet_text{
    padding: 40px;
    display: none;
}
#Tweet_text, #Tweet_head {
    padding: 5px;
    font-size: 5px;
    text-align: center;
    background-color: Floralwhite;
    border: solid 1px black;
}
.Tweet_pic{
    height: 15%;
    width:20%;
    margin:auto;
}
</style>
</head>

<body>
<div id="Tweet_head">TWEET</div>
<div id="Tweet_text"><p>Machine learning (ML) is a type of artificial intelligence (AI) that allows software applications to become more accurate at predicting outcomes without being explicitly programmed to do so.<br>Machine learning algorithms use historical data as input to predict new output values.</p>

<br>

```

```
<center>Tweet by Sharon Swetha-39120109 .</center>
</div>
</body>

</html>
```

10) PHP form validation

```
<!DOCTYPE HTML>
<html>
<head>
<style>
.error{
color:yellow;}
body {
background-image: url('2.jpg') ;
background-repeat: no-repeat;
background-attachment: fixed;
background-size: cover;

}

</style>
</head>
<body>
<center>

<?php
// define variables and set to empty values
$nameErr = $emailErr = $genderErr = $websiteErr = "";
$name = $email = $gender = $comment = $website = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (empty($_POST["name"])) {
        $nameErr = "Name is required";
    } else {
        $name = test_input($_POST["name"]);

        if (!preg_match("/^[a-zA-Z-' ]*$/",$name)) {
            $nameErr = "Only letters and white space allowed";
        }

    }

    if (empty($_POST["email"])) {
        $emailErr = "Email is required";
    } else {
        $email = test_input($_POST["email"]);
        if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
            $emailErr = "Invalid email format";
        }

    }

    if (empty($_POST["website"])) {
        $website = "";
    } else {
        $website = test_input($_POST["website"]);
        if (!preg_match("/\b(?:https?|ftp):\/\/|www\.[a-z0-9+&@#\/%=?~_!|:,;]*[a-z0-9+&@#\/%=?~_!|]/i",$website)) {
            $websiteErr = "Invalid URL";
        }

    }

    if (empty($_POST["comment"])) {
        $comment = "";
    } else {
```

```

    $comment = test_input($_POST["comment"]);
}

if (empty($_POST["gender"])) {
    $genderErr = "Gender is required";
} else {
    $gender = test_input($_POST["gender"]);
}
}

function test_input($data) {
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}
?>

<font color="white">
<h1> Form Validation </h1>
<p><span class="error">* required field</span></p>
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
    Name: <input type="text" name="name" placeholder="Enter name">
    <span class="error">* <?php echo $nameErr;?></span>
    <br><br>
    E-mail: <input type="text" name="email" placeholder="Enter email address">
    <span class="error">* <?php echo $emailErr;?></span>
    <br><br>
    Website: <input type="text" name="website" placeholder="Enter website url">
    <span class="error"><?php echo $websiteErr;?></span>
    <br><br>
    Comment: <textarea name="comment" rows="5" cols="40" placeholder="Your Comment"></textarea>
    <br><br>
    Gender:
    <input type="radio" name="gender" value="female">Female
    <input type="radio" name="gender" value="male">Male
    <input type="radio" name="gender" value="other">Other
    <span class="error">* <?php echo $genderErr;?></span>
    <br><br>
    <input type="submit" name="submit" value="Submit">
</form>
<br>
<?php
echo "<h2>Your Input:</h2>";
echo $name;
echo "<br>";
echo $email;
echo "<br>";
echo $website;
echo "<br>";
echo $comment;
echo "<br>";
echo $gender;
?>
</font>
</center>
</body>
</html>

```

11) PHP Form handling

Index.html

```

<html>
<body>

<form action="welcome.php" method="post">
Name: <input type="text" name="name"><br>

```



```
E-mail: <input type="text" name="email"><br>
<input type="submit">
</form>
```

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

welcome.php

```
<html>
<body>
Welcome <?php echo $_POST["name"]; ?><br>
Your email address is: <?php echo $_POST["email"]; ?>
</body>
</html>
```

12) Database

```
<html>
<head>
<title> Database Connectivity</title>
</head>
<style>
body {
    background-image: url('s.jpg') ;
    background-repeat: no-repeat;
    background-attachment: fixed;
    background-size: cover;
}

</style>
<body>
<center>
<font color="white">
<h1> DATABASE CONNECTIVITY </h1>
<br>
<br>
<form action="data.php" method="post">
<b>Name: </b><input type="text" name="name" id="name"><br><br>
<b>RegNo: </b><input type="text" name="regno" id="regno"><br><br>
<input type="submit">
</font>
</center>
</form>

</body>
</html>
```

(PHP PAGE):

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "register";

$name=$_POST['name'];
$regno=$_POST['regno'];
// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$sql = "INSERT INTO datainfo (Name, RegNo)
VALUES ('$name', '$regno')";

if ($conn->query($sql) === TRUE) {
```

```
    echo "New record created successfully";
} else {
    echo "Error: " . $sql . "<br>" . $conn->error;
}

$conn->close();

?>
```