

//File Upload

```
<?php
if(isset($_FILES['image']))
{
$errors= array();
$file_name = $_FILES['image']['name'];
$file_size = $_FILES['image']['size'];
$file_tmp = $_FILES['image']['tmp_name'];
$file_type = $_FILES['image']['type'];
$temp=explode('.',$_FILES['image']['name']);
$file_ext=end($temp);
$extensions= array("jpeg","jpg","png");

if(in_array($file_ext,$extensions)=== false){
$errors[]="extension not allowed, please choose a JPEG or PNG file."; }
if($file_size > 2097152) {
    $errors[]='File size must be less than 2 MB';
    }
    if(empty($errors)==true) {
        move_uploaded_file($file_tmp,"images/".$file_name);
        echo "Success";
        echo "<ul> <li>Sent file: ".$file_name."
            <li>File size: ".$file_size."
                <li>File type:".$file_type."
            </ul>";
    }else{
        print_r($errors);
    }
}
?>
```

```
<html>

<body>

  <form action="" method="POST" enctype="multipart/form-data">

    <input type="file" name="image" />

    <input type="submit"/>

  </form>

</body>

</html>
```

// JSON example 1

//Reading and writing to MySQL using JSON

```
<!DOCTYPE html>

<html>

<body>

<head>

<script type="text/javascript">

function save()

{

  uname=document.getElementById("uname").value;

  phone=document.getElementById("uphone").value;

  email=document.getElementById("email").value;

  var myObj = { "name" : ""+ uname +"", "phone":"" + phone + "", "email" : "" + email + "" };

  myJSON = JSON.stringify(myObj);

  window.location = "display_json.php?x=" + myJSON;

}

</script>

</head>

<form>
```

```
<h3> Student Information </h3>
<h3> Name : <input type="text" id="uname" /> </h3>
<h3> Phone : <input type="text" id="uphone" /> </h3>
<h3> Email : <input type="text" id="email" /> </h3>
<input type="button" id="bt" value="submit" onclick="save();" />
```

```
</form>
```

```
</body>
```

```
</html>
```

```
//display_json.php
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
table {
```

```
    width: 100%;
```

```
    border-collapse: collapse;
```

```
}
```

```
table, td, th {
```

```
    border: 1px solid black;
```

```
    padding: 5px;
```

```
}
```

```
th {text-align: left;}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<?php
```

```

$data = $_GET['x'];
$data_decode = json_decode($data);
$name = $data_decode->name;
$phone=$data_decode->phone;
$email= $data_decode->email;
echo "<br/> <h4> Information Entered </h4>";
echo "-----<br/>";
print "Name : ".$name."<br/>";
print "Phone : ".$phone."<br/>";
print "Email : ".$email."<br/>";
echo "-----<br/>";

// Create connection
$link = mysqli_connect("localhost", "root", "", "test");

// Check connection
if (!$link)
{
    die("Connection failed: " . mysqli_connect_error());
}

$query2 = "INSERT INTO tb_text_book VALUES('$name', '$phone', '$email')";
$res2 = mysqli_query($link,$query2);

$query3 = "SELECT * FROM tb_text_book";
$res3 = mysqli_query($link,$query3);
echo "<br/> <h3> Table Contents Are </h3>";

echo "<table>

<tr>

<th>UserName</th>

```

```

<th>Phone </th>
<th>Email</th>
</tr>";
while($row = mysqli_fetch_array($res3)) {
    echo "<tr>";
    echo "<td>" . $row['uname'] . "</td>";
    echo "<td>" . $row['phone'] . "</td>";
    echo "<td>" . $row['email'] . "</td>";
    echo "</tr>";
}
echo "</table>";
mysqli_close($link);
?>
</body>
</html>

```

//JSON example 2

// Reading from and writing to a JSON file

// JSON file

//data.json

```

[
    {
        "firstName": "Vijay",
        "lastName": "reddy",
        "email": "asdv@ymail.com",
        "mobile": ""
    },
    {
        "firstName": "Akarsh",

```

```
"lastName": "Pai",
"email": "pai@gmail.com",
"mobile": "8989989908"
},
{
  "firstName": "Pratheek",
  "lastName": "Raj",
  "email": "raj@hmail.com",
  "mobile": "9989898989"
}
]
//HTML form
<form action="process.php" method="POST">
  First name:<br>
  <input type="text" name="firstName">
  <br><br>
  Last name:<br>
  <input type="text" name="lastName">
  <br><br>
  Email:<br>
  <input type="text" name="email">
  <br><br>
  Mobile:<br>
  <input type="text" name="mobile">
  <br><br>
  <input type="submit" value="Submit">
</form>
```

//process.php

<!DOCTYPE html>

<html>

<head>

<style>

table {

width: 100%;

border-collapse: collapse;

}

table, td, th {

border: 1px solid black;

padding: 5px;

}

th {text-align: left;}

</style>

</head>

<body>

<?php

\$myFile = "data.json";

\$arr_data = array(); // create empty array

try

{

//Get form data

\$formdata = array(

'firstName'=> \$_POST['firstName'],

```
'lastName'=> $_POST['lastName'],  
'email'=>$_POST['email'],  
'mobile'=> $_POST['mobile']  
);
```

```
//Get data from existing json file  
$jsontdata = file_get_contents($myFile);
```

```
// converts json data into array  
$arr_data = json_decode($jsontdata, true);
```

```
// Push user data to array  
array_push($arr_data,$formdata);
```

```
//Convert updated array to JSON  
$jsontdata = json_encode($arr_data, JSON_PRETTY_PRINT);
```

```
//write json data into data.json file  
if(file_put_contents($myFile, $jsontdata)) {  
    echo 'Data successfully saved';  
    $arr_data = json_decode($jsontdata, true);  
    //print_r($arr_data);  
    echo "<br/> <h4> Information Entered </h4>";  
    echo "<table>  
        <tr>  
            <th>FirstName</th>  
            <th>LastName </th>  
            <th>Email</th>  
            <th>Mobile</th>
```



```

        </tr>";
foreach($arr_data as $x=>$x_value){
    echo "<tr>";
    echo "<td>" . $x_value["firstName"]. "</td>";
    echo "<td>" . $x_value["lastName"]. "</td>";
    echo "<td>" . $x_value["email"]. "</td>";
    echo "<td>" . $x_value["mobile"]. "</td>";
    echo "</tr>";

}
echo "</table>";

}

else
    echo "error";

}

catch (Exception $e) {
    echo 'Caught exception: ', $e->getMessage(), "\n";
}

?>
</body>
</html>

```

// Ajax example

//Reading records from DB using AJAX

//HTML

```
<html>

<head>

<script>

function showUser(str) {

    if (str == "") {

        document.getElementById("txtHint").innerHTML = "";

        return;

    } else {

        if (window.XMLHttpRequest) {

            // code for IE7+, Firefox, Chrome, Opera, Safari

            xmlhttp = new XMLHttpRequest();

        } else {

            // code for IE6, IE5

            xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");

        }

        xmlhttp.onreadystatechange = function() {

            if (xmlhttp.readyState == 4 && xmlhttp.status == 200) {

                document.getElementById("txtHint").innerHTML = xmlhttp.responseText;

            }

        };

        xmlhttp.open("GET","getuser.php?q="+str,true);

        xmlhttp.send();

    }

}

</script>

</head>

<body>

<form>
```

```

<select name="users" onchange="showUser(this.value)">
  <option value="">Select a person:</option>
  <option value="1">Record 1</option>
  <option value="2">Record 2</option>
  <option value="3">Record 3</option>

</select>
</form>
<br>
<div id="txtHint"><b>Person information...</b></div>
</body>
</html>
```

```
//getuser.php
<!DOCTYPE html>
<html>
<head>
<style>
table {
  width: 100%;
  border-collapse: collapse;
}

table, td, th {
  border: 1px solid black;
  padding: 5px;
}
```

```
th {text-align: left;}

</style>

</head>

<body>

<h1> AJAX RESPONSE </h1>

<?php

$q = $_GET['q'];

$con = mysqli_connect('localhost','root','','mydb');

if (!$con) {

    die('Could not connect: ' . mysqli_error($con));

}

$sql="SELECT * FROM customers WHERE id = '".$q."'";

$result = mysqli_query($con,$sql);

echo "<table>

<tr>

<th>Name</th>

<th>Address</th>

<th>Phone</th>

</tr>";

while($row = mysqli_fetch_array($result)) {

    echo "<tr>";

    echo "<td>" . $row['name'] . "</td>";

    echo "<td>" . $row['address'] . "</td>";

    echo "<td>" . $row['phone'] . "</td>";

    echo "</tr>";

}

echo "</table>";
```

```
mysqli_close($con);
```

```
?>
```

```
</body>
```

```
</html>
```

//Cookie example 1

```
<?php
```

```
date_default_timezone_set('Asia/Kolkata');
```

```
echo date_default_timezone_get();
```

```
if(isset($_COOKIE['lastVisit']))
```

```
{
```

```
$lastVisit="<p>Your last visit was on ".$_COOKIE['lastVisit'];
```

```
}
```

```
else
```

```
{
```

```
    $lastVisit = "<p>This is your first visit!</p>";
```

```
}
```

```
setcookie("lastVisit", date("F j, Y, g:i a"),time()+60*60*24*60);
```

```
?>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Set Cookie</title>
```

```
</head>
```

```
<body>
```

```
<?php echo $lastVisit; ?>
</body>
</html>
```

// Cookie example 2

```
<?php
$cookie_name = "user";
$cookie_value = 2;
?>
<html>
<body>
<?php
if(!isset($_COOKIE[$cookie_name])) {
    setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/"); // 86400 = 1 day
} else {
    $newcookie_value=$_COOKIE[$cookie_name]+1;
    setcookie($cookie_name, $newcookie_value, time() + (86400 * 30), "/");
    echo "Cookie '" . $cookie_name . "' is set!<br>";
    echo "Value is: " . $_COOKIE[$cookie_name];
}
?>
</body>
</html>
```

//Session example 1

```
<?php
session_start();
```

```
echo session_id();
```

```
?>
```

```
<?php
```

```
if(isset($_SESSION['views']))
```

```
$_SESSION['views']=$_SESSION['views']+1;
```

```
else
```

```
$_SESSION['views']=1;
```

```
echo "Views=". $_SESSION['views'];
```

```
?>
```