

## 1. Write the PHP Code to Upload File?

### Index.html

```
<html>
<head>
    <title>Upload File</title>
</head>
<body>
    <form method="POST" action="upload.php" enctype="multipart/form-data">
        File: <input type="file" name="file" id="file"/>
        <button type="submit" name="upload">Submit</button>
        <p>File Type: png,jpg,jpeg</p>
        <p>File Size: Less than 5MB</p>
    </form>
</body>
</html>
```

### Upload.php

```
<?php
    if(isset($_FILES["file"])){
        $filename=$_FILES["file"]["name"];
        $filesize=$_FILES["file"]["size"];
        $fileerror=$_FILES["file"]["error"];
        if($fileerror==0){
            $allowedtype=array("png","jpeg","jpg");
            $tempextension=explode(".", $filename);
            $extension=strtolower(end($tempextension));
            $location="E:\\xampp\\htdocs\\scripting\\fileupload\\";
            if(!in_array($extension,$allowedtype))
                die("File Type Not Allowed.");
            if(($filesize>(5*1024*1024)))
                die("File Size Must Be Less than 5MB.");
            if(file_exists($location.$filename)){
                die("File Already Uploaded.");
            }else
                if(move_uploaded_file($_FILES["file"]["tmp_name"],$location.$filename)
                ){
                    echo "File Uploaded Successfully.";
                }else{
                    die("File Upload Failed");
                }
            }else{
                echo "Failed to Upload File. Error: ".$fileerror
            }
        }
    }
?>
```

## 2. Write PHP Code to Send Email using Mail Function?

### Mail.php

```
<?php
    $to = 'testsantoshvandari@gmail.com';
    $subject = 'Project Proposal';
    $from = 'santoshvandaritest@gmail.com';
    $message="Test Mail";
    //Email headers
    $headers = "From: $from\r\n";
        $headers .= "Reply-To: $from \r\n";
        $headers .= "Return-Path: $from\r\n";
        $headers .= "X-Mailer: PHP \r\n";
    // To send HTML mail, the Content-type header must be set
    $headers = 'MIME-Version: 1.0' . "\r\n";
    $headers .= 'Content-type: text; charset=iso-8859-1' . "\r\n";
    // Create email headers
    $headers .= 'From: '.$from."\r\n".
    'Reply-To: '.$from."\r\n" .
    'X-Mailer: PHP/' . phpversion();
    //Try to send the email
    if (mail($to, $subject, $message, $headers)) {
        echo "Email sent successfully to $to";
    } else {
        echo "Email sending failed.";
    }
?>
```

### Sendmail.php

```
<?php
    $to = 'testsantoshvandari@gmail.com';
    $subject = 'Project Proposal';
    $from = 'santoshvandaritest@gmail.com';
    $message="Test Mail";
    //Try to send the email
    if (mail($to, $subject, $message, $headers)) {
        echo "Email sent successfully to $to";
    } else {
        echo "Email sending failed.";
    }
?>
```

3. Design following form in HTML and Write Corresponding PHP and SQL code for CRUD Operation based on user's data. (Assume your own database and database connectivity related constraints if necessary)

Firstname:

Lastname:

Firstname	Lastname	Actions
Ram	Rai	<a href="#">Edit</a> <a href="#">Delete</a>
Sita	Basnet	<a href="#">Edit</a> <a href="#">Delete</a>
Mohan	Karna	<a href="#">Edit</a> <a href="#">Delete</a>

#### Connection.php

```
<?php
    $server="localhost";
    $user="root";
    $pwd="";
    $db="crudoperation";
    $conn=new mysqli($server,$user,$pwd,$db);
    if(!$conn->connect_error){
        // echo "Database Connected Successfully";
    }else{
        die("Failed to Connect to the Database. Error: ".$conn->connect_error);
    }
?>
```

## Index.php

```
<html>
<head>
    <title>CRUD Operation</title>
</head>
<body>
    <form action="add.php" method="post">
        <label>FirstName: <input type="text" name="fname"> </label><br/><br/>
        <label>LastName: <input type="text" name="lname"> </label><br/><br/>
        <button type="submit" name="add">Add</button>
    </form>
    <table border="1">
        <tr><th>First Name</th><th>Last Name</th><th>Actions</th></tr>
        <?php
            include_once "connection.php";
            $read="SELECT * FROM Data";
            if($result=$conn->query($read))
                while($row=$result->fetch_assoc()){
                    echo "<tr><td>".$row["firstname"]."</td><td>".$row["lastname"]."</td><td><a
href='update.php?id=".$row["id"].".'>Edit</a> | <a
href='delete.php?id=".$row["id"].".'>Delete</a></td></tr>";
                }
        ?>
    </table>
</body>
</html>
```

## Add.php

```
<?php
include_once "connection.php";
if(isset($_POST["add"])){
    $fname=$_POST['fname'];
    $lname=$_POST['lname'];
    $insert="INSERT INTO Data(firstname,lastname) VALUES('$fname','$lname');";
    if($conn->query($insert))
        header("Location:index.php");
    else
        die("Failed to Add the Data");
}
?>
```

## Update.php

```
<html>
<head>
    <title>CRUD Operation</title>
</head>
<body>
    <?php
```

```

        include_once "connection.php";
        $id=$_GET["id"];
        $read="SELECT * FROM Data WHERE id=$id;";
        $rows=$conn->query($read);
        $row=$rows->fetch_assoc();
        if(!$row)
            die("Error in Reading Data.");
    ?>
    <form action="#" method="post">
        <label>FirstName: <input type="text" name="fname"
value=<?=$row['firstname']?>> </label><br/><br/>

        <label>LastName: <input type="text" name="lname"
value=<?=$row['lastname']?>> </label><br/><br/>

        <button type="submit" name="update">Update</button>
    </form>
    <?php
        if(isset($_POST["update"])){
            $fname=$_POST['fname'];
            $lname=$_POST['lname'];
            $update="UPDATE Data set firstname='$fname',lastname='$lname'
WHERE id=$id;";
            if($conn->query($update))
                header("Location:index.php");
            else
                die("Failed to Update the Data");
        }
    ?>
</body>
</html>

```

### Delete.php

```

<?php
    include_once "connection.php";
    $id=$_GET["id"];
    $delete="DELETE FROM Data WHERE id=".$id.";";
    if($conn->query($delete)){
        header("Location:index.php");
    }else{
        die("Error in Deleting Data.");
    }
?>

```

4. Write a PHP program which includes a function sum(). This function sum() should be designed to add an arbitrary list of parameters.(For Example: If you call the function sum() as sum(1,2) it should return the result 3 and if again you call the function sum() as sum(1,3,4) it should return the result 8.)

Index.php

```
<?php
function Sum(...$numbers){
    $sum=0;
    foreach($numbers as $n)
        $sum=$sum+$n;
    echo "Sum : $sum <br/>";
}
Sum(1,2);
Sum(1,3,4,2);
Sum(1,6,8,2);
Sum(1,4,6,9,8,2);
?>
```

5. Write a PHP Program to Handle the Overriding Situation.

Index.php

```
<?php
// Method Overriding
class A{
    function Greet(){
        echo "Hello<br/>";
    }
}
class B extends A{
    function Greet(){
        echo "Hey";
    }
}
$a=new A();
$a->Greet();
$b=new B();
$b->Greet();
?>
```

## 6. Write the Program in PHP to Demonstrate ForEach Loop.

Index.php

```
<?php
    $arr=array("Santosh","Krishna","Uttam","Manoj","Krian");
    foreach($arr as $name){
        echo $name."<br/>";
    }

    echo "</br><br/>";

    $numbers = array(10,20,45,48,2,59,20);
    $sum=0;
    foreach($numbers as $n){
        $sum+=$n;
    }
    echo "Sum: ".$sum."</br><br/>";

    $info=array(
        "name"=>"Santosh",
        "age"=>25,
        "city"=>"Bangalore"
    );
    foreach($info as $key=>$value){
        echo "$key : $value <br/>";
    }

?>
```