**INVOKING THE DATA FROM HTML FORM USING PHP**

**Ex. No:3(a)**

**Date:**

**Write a program for invoke the data from HTML form using PHP.**

**AIM: -**

**To write a code for invoke the data from HTML form using PHP language.**

**TAGS USED: -**

* <form action> - To specify the action of the form.
* <method> -To specify the method whether it is GET or POST.
* $ - The symbol used to create a variable.
* <br> - refers to break the line and go to the next line.

**PROGRAM: -**

**newhtml.html**

<html>

<head>

<title>INVOKING PHP</title>

</head>

<body>

<form action="index.php" method="POST">

NAME:<input type ="text" name ="name" placeholder="Name"/><br><br>

DEPT:<input type ="text" name ="dept" placeholder="Dept"/><br><br>

ROLL NO:<input type ="text" name ="rno" placeholder="rollno"/><br><br>

ADDRESS:<input type ="text" name ="adress" placeholder="Address"/><br><br>

<input type ="submit" value="SUBMIT"/>

</form>

</body>

</html>

**index.php**

<html>

<body>

<?php

$name = filter\_input(INPUT\_POST,'name');

$dept = filter\_input(INPUT\_POST,'dept');

$rollno= filter\_input(INPUT\_POST,'rno');

$address= filter\_input(INPUT\_POST,'adress');

print "your name is ".$name."</br>" ;

print "your departement is ".$dept."</br>" ;

print "your rollnumber is ".$rollno."</br>" ;

print "your address is ".$address."</br>" ;

?>

</body>

</html>

Bottom of Form

Top of Form

Bottom of Form

Top of Form

Bottom of Form

**FORM VALIDATION USING PHP**

**Ex. No:3(b)**

**Date:**

**Write a program for form validation using PHP and HTML.**

**AIM: -**

**To write a code for form validation by using PHP and HTML language.**

**TAGS USED: -**

* <form action> - To specify the action of the form.
* <method> -To specify the method whether it is GET or POST.
* $ - The symbol used to create a variable.
* <br> - refers to break the line and go to the next line.
* Trim - To trim the whitespaces in the entered data.
* Stripslashes - To remove the slashes if there are extra slashes in the entered data.
* Htmlspecialchars - change the data into its special characters to protect the data.

**PROGRAM: -**

**Validation.php**

<html>

<head>

<style>

.error {color: red;}

#form\_layout{

margin-left: auto;

margin-right: auto;

border: 2px solid ;

padding : 10px;

}

body{

color : white;

background-color : skyblue;

}

</style>

</head>

<body>

<?php

function test\_input($data)

{

$data = trim($data);

$data = stripslashes($data);

$data = htmlspecialchars($data);

return $data;

}

// 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 (empty($\_POST["email"]))

{

$emailErr = "Email is required";

}

else

{

$email = test\_input($\_POST["email"]);

// check if e-mail address is well-formed

if (!filter\_var($email, FILTER\_VALIDATE\_EMAIL))

{

$emailErr = "Invalid email format";

}

}

if (empty($\_POST["website"]))

{

$website = "";

}

else

{

$website = test\_input($\_POST["website"]);

}

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"]);

}

}

?>

<h2 style = "text-align:center">Registration Form</h2>

<p style = "text-align:center"><span class = "error">\* required field.</span></p>

<table id="form\_layout">

<form method = "post" action = "">

<tr>

<td>Name:</td>

<td><input type = "text" name = "name">

<span class = "error">\* <?php echo $nameErr;?></span>

</td>

</tr>

<tr>

<td>E-mail: </td>

<td><input type = "text" name = "email">

<span class = "error">\* <?php echo $emailErr;?></span>

</td>

</tr>

<tr>

<td>Website:</td>

<td> <input type = "text" name = "website">

<span class = "error"><?php echo $websiteErr;?></span>

</td>

</tr>

<tr>

<td>Comment:</td>

<td> <textarea name = "comment" rows = "5" cols = "40"></textarea></td>

</tr>

<tr>

<td>Gender:</td>

<td>

<input type = "radio" name = "gender" value = "Female">Female

<input type = "radio" name = "gender" value = "Male">Male

<span class = "error">\* <?php echo $genderErr;?></span>

</td>

</tr>

<td>

<input type = "submit" name = "submit" value = "Submit">

<input type = "reset" name = "reset" value = "Reset">

</td>

</table>

</form>

<?php

echo "<h2 style='text-align:center;'>Your given values are as:</h2>";

echo"<div style='text-align:center;'>";

echo "Name : <strong>$name</strong>";

echo "<br>";

echo "Email : <strong>$email</strong>";

echo "<br>";

echo "Website: <strong>$website</strong>";

echo "<br>";

echo "Comment : <strong>$comment</strong>";

echo "<br>";

echo "Gender: <strong>$gender</strong>";

echo "</div>";

?>

</body>

</html>

**DATABASE CONNECTIVITY USING PHP**

**Ex. No:3(c)**

**Date:**

**Write a program for database connection using PHP and HTML.**

**AIM: -**

**To write a code for the database connectivity using HTML and PHP language.**

**TAGS USED: -**

* <form action> - To specify the action of the form.
* <method> -To specify the method whether it is GET or POST.
* $ - The symbol used to create a variable.
* <br> - refers to break the line and go to the next line.
* New mysqli - To connect with the database mysqli keyword is used.
* Prepare - The statement prepares what operation to do (i.e.insert,delete,…)
* Bind - The statement binds the values and enter into the table.
* Execute - The execute command execute the prepare statement operation.

**PROGRAM: -**

**Employee.html**

<html>

<head>

<title>EMPLOYEE</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<form action="index.php" method="get">

NAME:<input type="text" name="Ename" placeholder="name" required/><br><br>

ID:<input type="text" name="id" placeholder="id" required/><br><br>

ADDRESS:<input type="text" name="addr" placeholder="address" required/><br><br>

AGE:<input type='text' name='da' placeholder='age'/><br><br>

DATE OF BIRTH:<input type='text' name='dob' placeholder='date of birth'/><br><br>

DESCRIPTION:<input type="text" name="des" placeholder="description" required/><br><br>

SALARY:<input type="text" name="sal" placeholder="salary" required/><br><br>

JOINED YEAR:<input type="text" name="year" placeholder="joinedyear" required/><br><br>

<input type="submit" value="SUBMIT">

<input type="reset" value="RESET">

</form>

</body>

</html>

**index.php**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>EMPLOYEE</title>

</head>

<body>

<?php

$name = filter\_input(INPUT\_GET,'Ename');

$id = filter\_input(INPUT\_GET,'id');

$address = filter\_input(INPUT\_GET,'addr');

$age = filter\_input(INPUT\_GET,'da');

$dob = filter\_input(INPUT\_GET,'dob');

$description = filter\_input(INPUT\_GET,'des');

$salary = filter\_input(INPUT\_GET,'sal');

$joinedyear= filter\_input(INPUT\_GET,'year');

$a = new mysqli('localhost','root','','employeedetails');

if($a->connect\_error)

{ die('Connection Error'.$a->connect\_error);

}

else{

$stmt = $a->prepare("insert into emp (name,id,address,age,dob,description,salary,joinedyear) VALUES(?,?,?,?,?,?,?,?)");

$stmt->bind\_param("sisissii",$name,$id,$address,$age,$dob,$description,$salary,$joinedyear);

$stmt->execute();

echo 'SUCCESSFULLY ENTERED INTO THE TABLE EMP';

}

?>

</body>

</html>

**INVOKING THE DATA FROM HTML FORM USING SERVLET**

**Ex. No:4(a)**

**Date:**

**Write a program for invoke the data using SERVLET and HTML.**

**AIM: -**

**To write a code for invoking the data using SERVLET and HTML.**

**TAGS USED: -**

* <form action> - To specify the action of the form.
* <method> -To specify the method whether it is GET or POST.
* <br> - refers to break the line and go to the next line.
* Getparameter - Get the parameter values from HTML page.
* Out.println - It prints the output.

**PROGRAM: -**

**index.html**

<!DOCTYPE html>

<html>

<head>

<title>SERVLET1</title>

</head>

<body>

<form action="NewServlet" method="get">

<input type="text" name="name"/>

<input type="submit" name="ok"/>

</form>

</body>

</html>

**Newservlet.java**

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet(urlPatterns = {"/NewServlet"})

public class NewServlet extends HttpServlet {

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

PrintWriter out = response.getWriter();

String name = request.getParameter("name");

out.print("Welcome"+" "+name);

}

}

**DATABASE CONNECTIVITY USING SERVLET**

**Ex. No:4(b)**

**Date:**

**Write a program for database connection using SERVLET and HTML.**

**AIM: -**

**To write a code for the database connectivity using SERVLET and HTML language.**

**TAGS USED: -**

* <form action> - To specify the action of the form.
* <method> -To specify the method whether it is GET or POST.
* <br> - refers to break the line and go to the next line.
* connection - The class connection specifies the server class.
* DriverManager - The drivermanager specifies the connection class drivers.
* ExecuteUpdate - The execute command executeupdate the operation(i.e.insert,update,.)

**PROGRAM: -**

**studentmangement.html**

<!DOCTYPE html>

<html>

<head>

<title>Student</title>

</head>

<body>

<h1>AIML MARKS</h1>

<form action="studentdetails" method="post">

Register No:<input type="text" name="regno" placeholder="registerno"/><br><br>

OS:<input type="text" name="os" placeholder="os marks"/><br><br>

WD:<input type="text" name="wd" placeholder="wd marks"/><br><br>

ML:<input type="text" name="ml" placeholder="ml marks"/><br><br>

DM:<input type="text" name="dm" placeholder="dm marks"/><br><br>

DBMS:<input type="text" name="dbms" placeholder="dbms marks"/><br><br>

<input type="submit" value="SUBMIT"/>

<input type="reset" value="RESET"/>

</form>

</body>

</html>

**studentdetails.java**

package details;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import java.sql.\*;

public class studentdetails extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

try ( PrintWriter out = response.getWriter()) {

int Regno = Integer.parseInt(request.getParameter("regno"));

int mark1 = Integer.parseInt(request.getParameter("os"));

int mark2 = Integer.parseInt(request.getParameter("wd"));

int mark3 = Integer.parseInt(request.getParameter("ml"));

int mark4 = Integer.parseInt(request.getParameter("dm"));

int mark5= Integer.parseInt(request.getParameter("dbms"));

Connection con;

Statement stmt;

try

{

Class.forName("org.apache.derby.jdbc.ClientDriver");

con = DriverManager.getConnection("jdbc:derby://localhost:1527/student","hari","hari" );

stmt = con.createStatement();

stmt.executeUpdate("insert into MARKS values('"+Regno+"','"+mark1+"','"+mark2+"','"+mark3+"','"+mark4+"','"+mark5+"')");

out.println("<h1>Inserted Successfully into the table MARKS</h1>");

}

catch(ClassNotFoundException | SQLException e){

out.println(e);

}

}

}

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

}

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

}

@Override

public String getServletInfo() {

return "Short description";

}

**}**