

1.Design a HTML form with various input fields: required and optional text fields, radio buttons, and a submit button to get name, email id and gender details and validate the above data using PHP.

<https://tutorial.techaltum.com/htmlform.html>

<https://www.javatpoint.com/form-validation-in-php>

Part-B

6. Form validation:-

- * Proper validation of form data is important to protect user from hackers and spammers!
- * The HTML form we will be working at these chapters, contains various input fields: required and optional text fields, radio buttons and a submit button.

Exam Pte:-

Name	<input type="text"/>	*
E-mail	<input type="text"/>	*
website	<input type="text"/>	
comment	<input type="text"/>	
Gender	<input type="radio"/> Female <input type="radio"/> Male <input type="radio"/> Other	*
<input type="submit" value="Submit"/>		

→ HTML form with PHP:-

- * A HTML form is used to collect user input.
- * The user input is most often sent to a server for processing.
- * The PHP superglobals `$_GET` and `$_POST` are used to collect the data.

→ PHP - A simple HTML form.

=> which shows two input fields
or
submit button.

Example:-

```
<html>
<body>
<form action = "welcome.php" method = "post">
Name: <input type = "text" name = "name" > <br>
Email: <input type = "text" name = "email" > <br>
<input type = "submit">
</form>
</body>
</html>
```


Result :-

Name :

Email :

→ HTML code for the form :-

* Text fields :-

- The name, email and website fields are text input elements and the comment field is the text area.

code :-

Name : `<input type="text" name="name">`
 Email : `<input type="text" name="email">`
 Comment : `<text area name="comment" rows="5" cols="40">` / text area

→ Radio Buttons :-

- The gender fields are radio buttons and the HTML code

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`

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code:-

```
<!DOCTYPE HTML >
```

```
<html >
```

```
<head >
```

```
</head >
```

```
<body >
```

```
<?PHP
```

```
$name = $email = $gender = $comment = $website = "";
```

```
if ($_SERVER["REQUEST_METHOD"] == "POST") {
```

```
    $name = test_input($_POST["name"]);
```

```
    $email = test_input($_POST["email"]);
```

```
    $website = test_input($_POST["website"]);
```

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

```
    $gender = test_input($_POST["gender"]);
```

```
}
```

```
function test_input($data) {
```

```
    $data = trim($data);
```

```
    $data = stripslashes($data);
```

```
    $data = htmlspecialchars($data);
```

```
    return $data;
```

```
}
```

```
>>
```


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```
<h2>PHP form validation Example</h2>
<form method="post" action="<?PHP echo
html special char (& - server ["PHP-self"]);">
html spec
Name: <input type="text" name="name">
<br><br>
Email: <input type="text" name="email">
<br><br>
website: <input type="text" name="website">
<br><br>
Comment: <input type="text" name="comment">
<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
<br><br>
<input type="submit" name="submit"
value="submit">

</form>

<?PHP
echo "<h2> your input: </h2>";
echo $name;
```

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```
echo $email;  
echo "<br>";  
echo $website;  
echo "<br>";  
echo $comment;  
echo "<br>";  
echo $gender;
```

?>

</body>

</html>

Output:-

Name :

Email :

Website :

Comment :

Gender : ☐ Female ☐ Male ☐ Other

O/P

Io Tefari

tefari@gmail.com

Team B

AWD

Fenak.

2. Develop the student information system using PHP and database connectivity.

<https://cse.final-year-projects.in/a/2248-student-information-management-system-using-php-mysql.html>

3. Discuss the different data binding methods in angularjs with syntax in detail.

<https://www.valuebound.com/resources/blog/data-binding-methods-angularjs>

<https://data-flair.training/blogs/data-binding-in-angularjs/>

<https://sindhujacynixit.medium.com/what-is-data-binding-in-angularjs-b25adda2310a>

8) Data Binding in Angular :-

① String Interpolation :-

- The type of one-way data binding where text is between a set of curly braces. It uses the name of a component property.
- Angular replaces that name with the string value of the corresponding component property.
- The syntax of string interpolation is to use double curly braces.
`{{ code }}`

② Property Binding :-

- Property Binding allows us to bind the value of the template expression.
- Property Binding in simple terms is defined as updating the value of a certain variable in component (model) and displaying it in view. One-way mechanism, i.e., it allows you to change the value.

Syntax.

```
<h1> Property Binding </h1>
<img [src] = "Image Path" class = "Image-adjustment"/>
<br>
```

③ Event Binding :-

* Event binding is defined as the updating/sending of the value/Information of a certain variable from the presentation layer to the component.

Example:-

binding.component.html

```
<h1 Event Binding> </h1> <h1 {title} </h1>
<button (click) = "change my title()" >
  title is changed on click of this
  button </button>
```


→ Sample Program :-
Property Binding.

```
binding.component.ts
import { Component, OnInit } from '@angular/core';
@Component({ selector: 'app-binding', templateUrl:
binding.component.html, styleUrls: ['./binding
component.css'] }) export class BindingComponent
implements OnInit { constructor() {} imagePath:
string = 'assets/images/data-binding.png';
ngOnInit() {} }
```

→ Sample Program :-
Event Binding :-

```
binding.component.ts
export class BindingComponent implements OnInit {
constructor() {} title = 'Learning string interpolation';
ngOnInit() {} changeMyTitle() { this.title = 'Learning
Event Binding'; } }
```

O/P.

Learning String Interpolation

Title is changed on click of this button

Learning Event Binding

Title is changed on click of this button.

(ii) Two-way Data Binding:-

* Two way data binding is a combination of both Property and Event binding and it is a continuous synchronization of a data from view to the component

Sample Program:-

<h1> data Binding in Angular </h1> <h2> Learning
Two way Data Binding </h2> <input type="text"
(ng model)="username" />
 <h4> Welcome: {{username}} </h4>

O/P.

Data Binding in Angular

Learning Two-way Data Binding

Two way

welcome : Two way.

4. Write the jQuery code to select all links inside the paragraph.

<https://www.geeksforgeeks.org/how-to-select-all-links-inside-the-paragraph-using-jquery/>