INTERNET PROGRAMMING - Experiment 3

Contact us form using php with MySQL Database

AIM: Develop interactive web pages using PHP with database connectivity MYSQL

THEORY:

Details about all main **HTML & CSS** tags used in my webpage:

➢ **HEAD**

- **<html> :** The <html> tag represents the root of an HTML document.
  The <html> tag is the container for all other HTML elements.
- **<meta> :** The <meta> tag defines metadata about an HTML document. Metadata is data (information) about data. <meta> tags always go inside the <head> element, and are typically used to specify character set, page description, keywords, author of the document, and viewport settings.
- **<link> :** The <link> tag defines the relationship between the current document and an external resource.
  The <link> tag is most often used to link to external style sheets.
  The <link> element is an empty element, it contains attributes only.
- **<title> :** The <title> tag defines the title of the document. The title must be text-only, and it is shown in the browser's title bar or in the page's tab.
- **<head> :** The <head> element is a container for metadata (data about data) and is placed between the <html> tag and the <body> tag.
  The following elements can go inside the <head> element:
  <title> (required in every HTML document) <style> <base> <link> <meta> <script> <noscript>
- **<style> :** Used for adding a internal styling element.

➢ **BODY**

- **<header> :** The <header> element represents a container for introductory content or a set of navigational links.
  A <header> element typically contains:
    - one or more heading elements (<h1> - <h6>)
    - logo or icon
    - authorship information
- **<h1> - <h6> :** The <h1> to <h6> tags are used to define HTML headings.
  <h1> defines the most important heading. <h6> defines the least important heading.
  Note: Only use one <h1> per page - this should represent the main heading/subject for the whole page. Also, do not skip heading levels - start with <h1>, then use <h2>, and so on.
- **<div> :** The <div> tag defines a division or a section in an HTML document.
  The <div> tag is used as a container for HTML elements - which is then styled with CSS or manipulated with JavaScript.
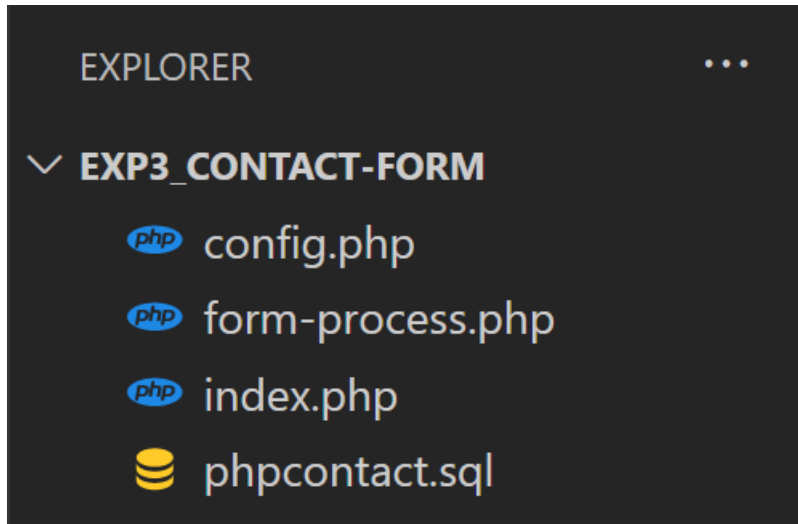
The <div> tag is easily styled by using the class or id attribute.
Any sort of content can be put inside the <div> tag!

- **<p> :** The <p> tag defines a paragraph.

CODE :

File Structure :

- **config.php**

```php
<?php
    define("DB_HOST","localhost");
    define("DB_USER","root");
    define("DB_PASSWORD","");
    define("DB_NAME","phpcontact");

   $mysqli = new mysqli(DB_HOST,DB_USER,
DB_PASSWORD,DB_NAME);
?>
```

- **form-process.php**

```php
<?php

include("config.php");

extract($_POST);
```

```php
$sql = "INSERT INTO `phpcontact`(`firstname`, `lastname`, `phone`, `email`,
`message`) VALUES
('".$firstname."','".$lastname."',".$phone.",'".$email."','".$message."')";
$result = $mysqli->query($sql);


if(!$result){
    die("Couldn't enter data: ".$mysqli->error);
}


echo "Thank You For Contacting Us! ";
$mysqli->close();


?>
```

- **index.php**

```html
<html>
<head>
    <title>Contact us form</title>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">

    <style>
        * {
            background-color: #F3E0FF;
        }

        .content {
            background-color: #F3E0FF;
        }

    </style>

</head>
<body class="content">
    <div class="container">
```

```html
        <h2>Contact Form</h2>
        <p> Send us a message!</p>


        <form action="form-process.php" method="POST">


            <div class="form-group">
                <label for="firstname">First Name</label>
                <input type="text" name="firstname" id="firstname" class="form-
control" required>
            </div>
            <div class="form-group">
                <label for="lastname">Last Name</label>
                <input type="text" name="lastname" id="lastname" class="form-
control" required>
            </div>
            <div class="form-group">
                <label for="phone">Phone</label>
                <input type="tel" name="phone" id="phone" class="form-control"
required>
            </div>
            <div class="form-group">
                <label for="email">Email</label>
                <input type="email" name="email" id="email" class="form-control"
required>
            </div>
            <div class="form-group">
                <label for="message">Message</label>
                <input type="text" name="message" id="message" class="form-
control" required>
            </div>
            <div class="form-group">
                <br>

        <button class="btn btn-danger" type="reset">Reset</button>
        <button class="btn btn-success" type="submit">Submit</button>
```
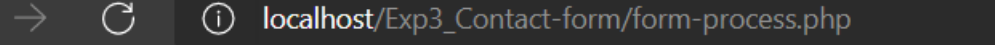
```
        </div>


            </form>
        </div>
</body>


</html>
```

OUTPUT:

→ **Filling the contact form.**

→ **Confirmation Message of Successfully Submitted.**

$\rightarrow$ **Record seen on Database.**

CONCLUSION: : Hence , by this experiment I have developed a simple **Contact Us form** in **PHP** and also configured the **MySQL Database conectivity** to store the messages with other details and meta data.