

pg11.php

<!-- 11. Write a PHP program which has usage of string built-in functions. -->

<?php

```
$ogstring = "Hello, World! Welcome to PHP programming.";
```

```
echo "1. Length of the string: " . strlen($ogstring) . "<br>";
```

```
echo "2. Uppercase version of the string: " . strtoupper($ogstring) . "<br>";
```

```
echo "3. Lowercase version of the string: " . strtolower($ogstring) . "<br>";
```

```
echo "4. Substring (from index 7, 5 characters): " . substr($ogstring, 7, 5) . "<br>";
```

```
echo "5. String after replacement: " . str_replace("World", "PHP", $ogstring) . "<br>";
```

```
echo "6. Position of 'Welcome' in the string: " . strpos($ogstring, "Welcome") . "<br>";
```

```
$stringWithWhitespace = " Hello, PHP! ";
```

```
$trimmedString = trim($stringWithWhitespace);
```

```
echo "7. String after trimming whitespace: " . $trimmedString . "<br>";
```

```
$capitalizedString = ucfirst("hello, world!");
```

```
echo "8. String with first letter capitalized: " . $capitalizedString . "<br>";
```

```
$repeatedString = str_repeat("PHP ", 3);
```

```
echo "9. Repeated string: " . $repeatedString . "<br>";
```

```
?>
```



pg12.php

<!-- 12. Write a PHP program which has usage of Date/Time built-in functions. -->

<?php

```
echo "Current date and time: " . date('Y-m-d H:i:s') . "<br>";
```

```
echo "Current timestamp: " . time() . "<br>";
```

```
echo "Custom formatted date: " . date('l, F j, Y') . "<br>";
```

```
$sevenDaysLater = strtotime("+7 days");
```

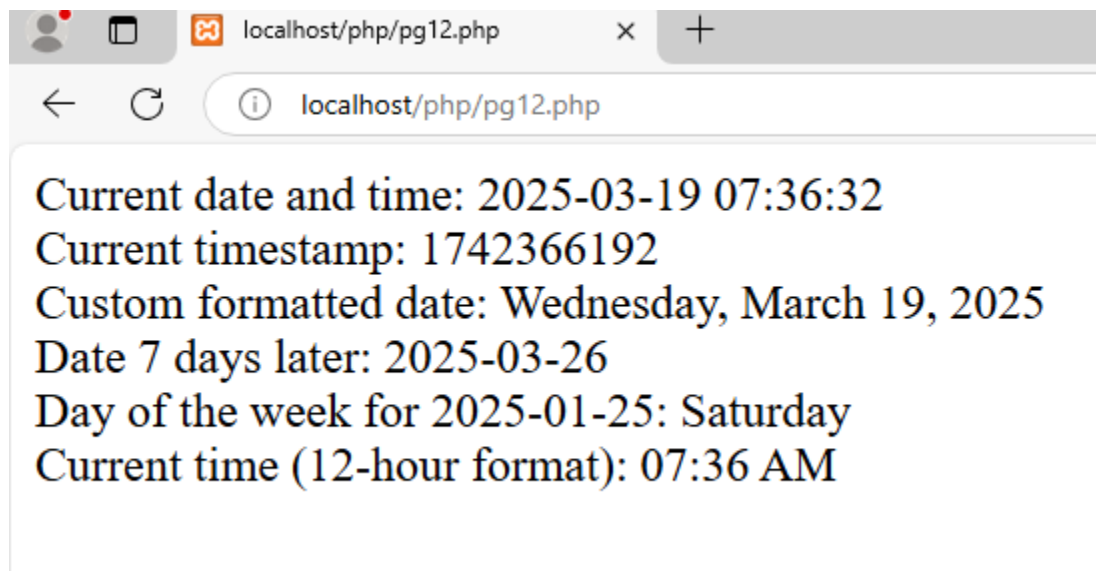
```
echo "Date 7 days later: " . date('Y-m-d', $sevenDaysLater) . "<br>";
```

```
$specificDate = "2025-01-25";
```

```
echo "Day of the week for $specificDate: " . date('l', strtotime($specificDate)) . "<br>";
```

```
echo "Current time (12-hour format): " . date('h:i A') . "<br>";
```

?>



Pg13.php

<!-- 13. Write a PHP program using file handling built-in functions. -->

<?php

```
$file = 'example.txt';
```

```
$handle = fopen($file, 'w');
```

```
if ($handle) {
```

```
    $content = "Hello, this is a test content written to the file.\n";
```

```
    fwrite($handle, $content);
```

```
    fclose($handle);
```

```
    echo "File has been written successfully!<br>";
```

```
} else {
```

```
    echo "Error opening the file for writing.<br>";
```

```
}
```

```
$handle = fopen($file, 'r');
```

```
if ($handle) {
```

```
    $fileContent = fread($handle, filesize($file));
```

```
    fclose($handle);
```

```
    echo "Content of the file: <br>";
```

```
    echo nl2br($fileContent);
```

```
} else {
```

```
    echo "Error opening the file for reading.<br>";
```

```
}
```

```
$handle = fopen($file, 'a');
```

```
if ($handle) {
```

```
    $additionalContent = "This is some additional content appended to the file.\n";
```

```
    fwrite($handle, $additionalContent);
```

```
    fclose($handle);
```

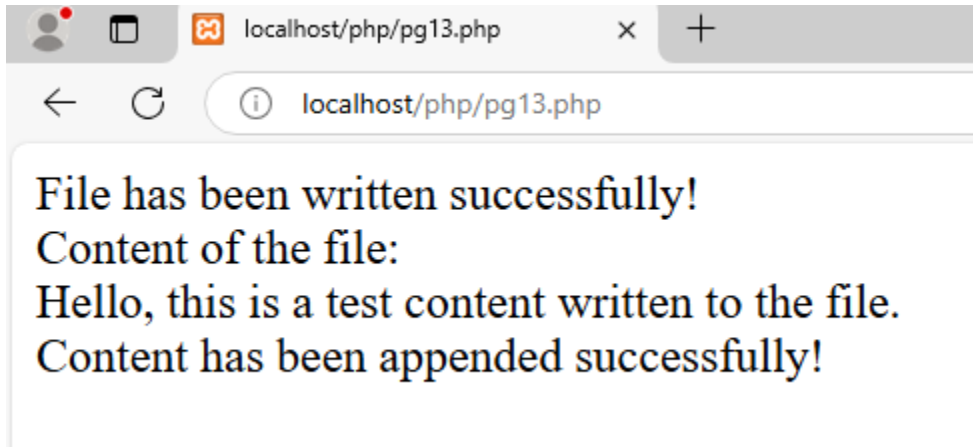
```
    echo "Content has been appended successfully!<br>";
```

```
} else {
```

```
    echo "Error opening the file for appending.<br>";
```

```
}
```

?>



Pg14.php

<!-- 14. Write a PHP program for crate a user define function. -->

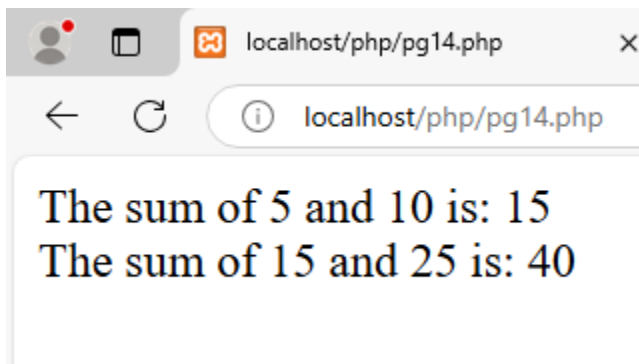
<?php

```
function calculateSum($num1, $num2) {  
    $sum = $num1 + $num2;  
    return $sum;  
}
```

```
$result = calculateSum(5, 10);
```

```
echo "The sum of 5 and 10 is: " . $result . "<br>";
```

```
echo "The sum of 15 and 25 is: " . calculateSum(15, 25) . "<br>";  
?>
```



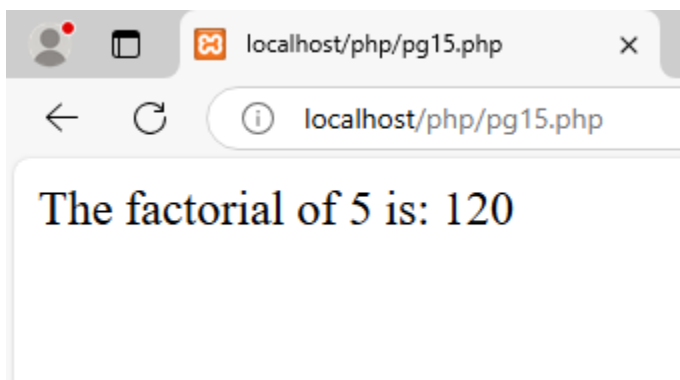
Pg15.php

<!-- 15. Write a PHP program to display factorial using recursion. -->

<?php

```
function factorial($n) {  
    if ($n <= 1) {  
        return 1;  
    }  
    else {  
        return $n * factorial($n - 1);  
    }  
}  
$number = 5;
```

```
echo "The factorial of $number is: " . factorial($number) . "<br>";  
?>
```



Pg16.php

<!-- 16. Write a PHP program for print variable value into text box. -->

```
<?php
```

```
$myValue = "Hello, PHP!";
```

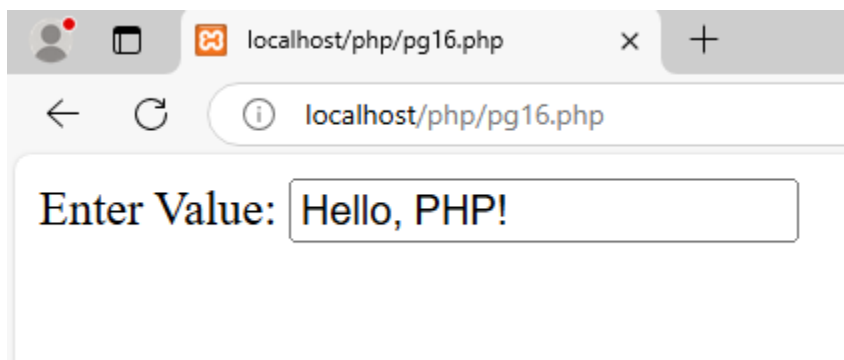
```
?>
```

```
<form method="post">
```

```
  <label for="textbox">Enter Value:</label>
```

```
  <input type="text" name="textbox" value="<?php echo htmlspecialchars($myValue); ?>">
```

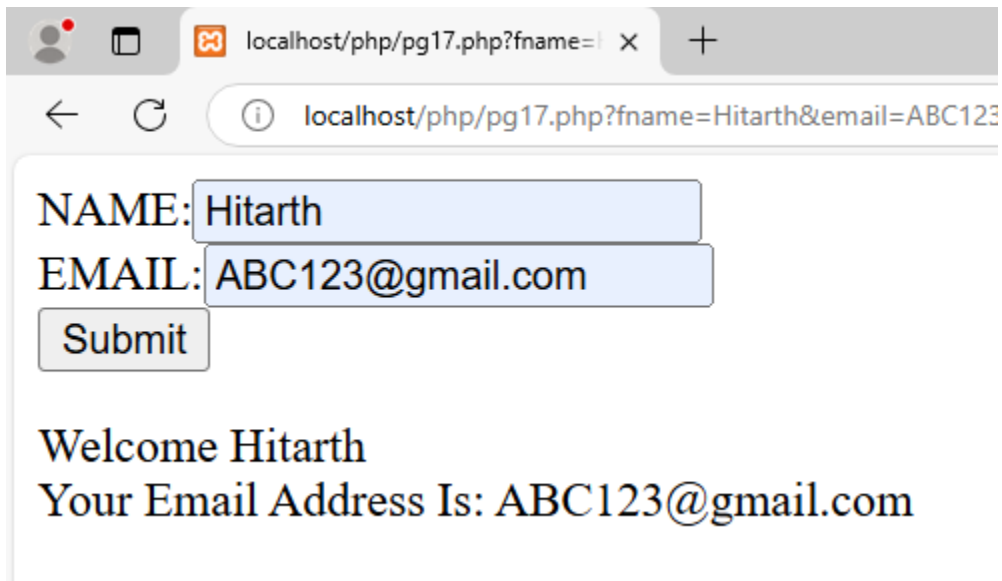
```
</form>
```



Pg17.php

<!-- 17. Write a PHP Program that will use the concept form. Using get method. -->

```
<html>
  <body>
    <form method="GET">
      NAME:<input type="text" name="fname"> <br>
      EMAIL:<input type="text" name="email"> <br>
      <input type="submit">
    </form>
    Welcome
    <?php
      echo $_GET['fname'];
    ?>
    <br>
    Your Email Address Is:
    <?php
      echo $_GET['email'];
    ?>
  </body>
</html>
```



localhost/php/pg17.php?fname=Hitarth&email=ABC123

NAME: Hitarth

EMAIL: ABC123@gmail.com

Submit

Welcome Hitarth

Your Email Address Is: ABC123@gmail.com

Pg18.php

<!-- 18. Write a PHP program to read the employee detail using form component. Using post method. -->

```
<?php
```

```
$employeeName = isset($_POST['employee_name']) ? $_POST['employee_name'] : "";
```

```
$employeeID = isset($_POST['employee_id']) ? $_POST['employee_id'] : "";
```

```
$department = isset($_POST['department']) ? $_POST['department'] : "";
```

```
?>
```

```
<form method="post">
```

```
    <label for="employee_name">Employee Name:</label>
```

```
    <input type="text" name="employee_name" value="<?php echo  
htmlspecialchars($employeeName); ?>"><br>
```

```
    <label for="employee_id">Employee ID:</label>
```

```
    <input type="text" name="employee_id" value="<?php echo  
htmlspecialchars($employeeID); ?>"><br>
```

```
    <label for="department">Department:</label>
```

```
    <input type="text" name="department" value="<?php echo  
htmlspecialchars($department); ?>"><br>
```

```
    <button type="submit">Submit</button>
```

```
</form>
```

```
<?php if ($_SERVER["REQUEST_METHOD"] == "POST"): ?>
```

```
    <h2>Employee Details:</h2>
```

```
    <p><strong>Name:</strong> <?php echo htmlspecialchars($employeeName); ?></p>
```

```
    <p><strong>ID:</strong> <?php echo htmlspecialchars($employeeID); ?></p>
```

```
    <p><strong>Department:</strong> <?php echo htmlspecialchars($department);
```

```
?></p>
```

```
<?php endif; ?>
```

localhost/php/pg18.php × +

← ↻ ⓘ localhost/php/pg18.php

Employee Name:

Employee ID:

Department:

Employee Details:

Name: Itachi

ID: 102

Department: IT

Pg19.php

<!-- 19. Write a PHP Program to Validate Input Data. -->

<?php

\$fnameErr = \$ageErr = \$cityErr = \$emailIDErr = \$addressErr = "";

\$fname = \$age = \$email = \$city = \$address = "";

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

 if (empty(\$_POST["fname"])) {
 \$fnameErr = "Name is required!";

 } else {
 \$fname = input_data(\$_POST["fname"]);
 }

 if (empty(\$_POST["age"])) {
 \$ageErr = "Age is required!";
 } else {
 \$age = input_data(\$_POST["age"]);
 if (!preg_match("/^[0-9]*\$/", \$age)) {
 \$ageErr = "Only numeric values are allowed for age!";
 } elseif (strlen(\$age) < 1 || strlen(\$age) > 3) {
 \$ageErr = "Please provide a valid age!";
 }
 }
}

 if (empty(\$_POST["email"])) {
 \$emailIDErr = "Email-Id is required!";
 } else {
 \$email = input_data(\$_POST["email"]);
 if (!filter_var(\$email, FILTER_VALIDATE_EMAIL)) {
 \$emailIDErr = "Invalid email format!";
 }
 }
}

 if (empty(\$_POST["city"])) {
 \$cityErr = "City is required!";
 } else {
 \$city = input_data(\$_POST["city"]);
 }
}

 if (empty(\$_POST["address"])) {
 \$addressErr = "Address is required!";
 } else {

```
        $address = input_data($_POST["address"]);
    }
}
```

```
function input_data($data) {
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}
?>
```

```
<form method="post">
    Name: <input type="text" name="fname" value="<?php echo $fname; ?>">
    <?php echo $fnameErr; ?><br>

    Age: <input type="number" name="age" value="<?php echo $age; ?>">
    <?php echo $ageErr; ?><br>

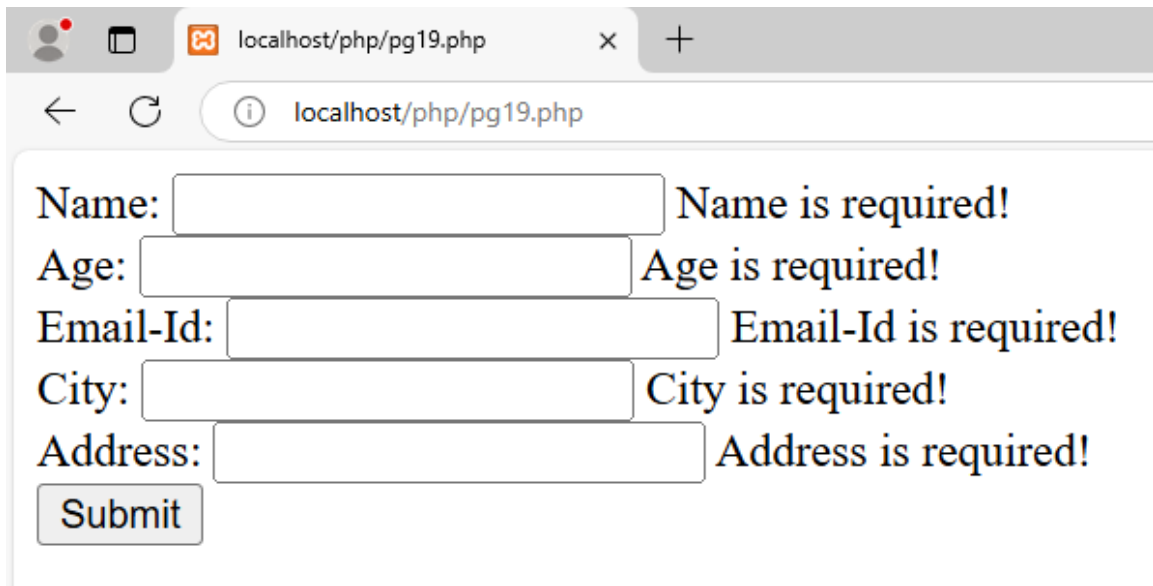
    Email-Id: <input type="email" name="email" value="<?php echo $email; ?>">
    <?php echo $emailIDErr; ?><br>

    City: <input type="text" name="city" value="<?php echo $city; ?>">
    <?php echo $cityErr; ?><br>

    Address: <input type="text" name="address" value="<?php echo $address; ?>">
    <?php echo $addressErr; ?><br>

    <button type="submit">Submit</button>
</form>
```

Without entered data



A screenshot of a web browser window displaying a registration form at the URL `localhost/php/pg19.php`. The form consists of five input fields: Name, Age, Email-Id, City, and Address. Each field is followed by the text "is required!". Below the fields is a "Submit" button. The browser's address bar shows the URL, and the page title is "localhost/php/pg19.php".

Name: Name is required!

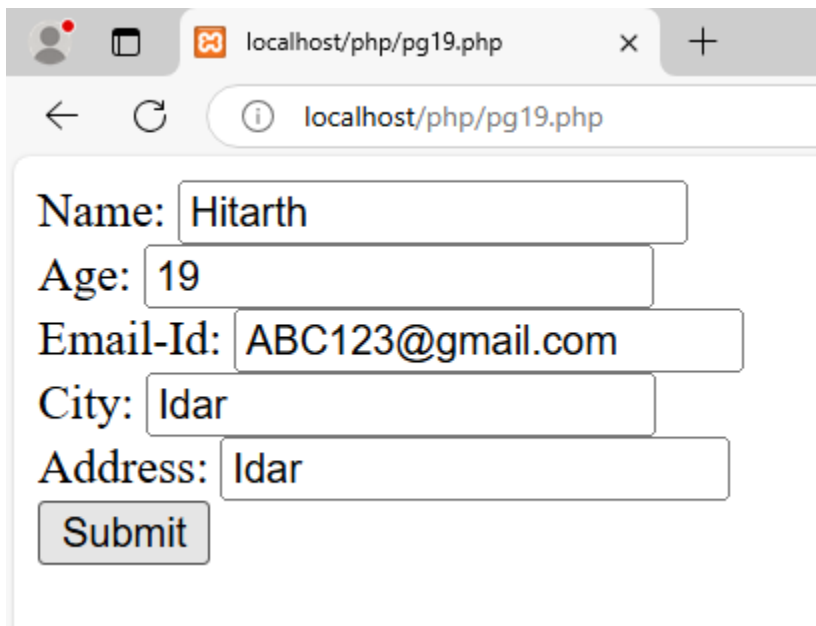
Age: Age is required!

Email-Id: Email-Id is required!

City: City is required!

Address: Address is required!

After Entered data



A screenshot of the same web browser window showing the registration form after data has been entered. The input fields now contain the following text: "Hitarth" for Name, "19" for Age, "ABC123@gmail.com" for Email-Id, "Idar" for City, and "Idar" for Address. The "Submit" button remains below the fields. The browser's address bar and page title are the same as in the previous screenshot.

Name:

Age:

Email-Id:

City:

Address:

Pg20.php

<!-- 20. Write a PHP program to send Mail from PHP Script. -->

```
<?php
```

```
$to = "chauhanhitarth6@gmail.com";
```

```
$subject = "My subject";
```

```
$txt = "Hello world!";
```

```
$headers = "From: hitarth0236@gmail.com";
```

```
if(mail($to,$subject,$txt,$headers))
```

```
{
```

```
    echo "Email sent successfully !!";
```

```
}
```

```
else
```

```
{
```

```
    echo "Error to send an Email !!";
```

```
}
```

```
?>
```

