

```
<!-- Task 1 -->
```

```
<?php
```

```
$name="Md. Sabbir Hossain";
```

```
$age = 30;
```

```
$country= " Bangladesh";
```

```
$briefIntroduction= "Hello, My name is ". $name . ". " . " My age is ".$age. ". " . " My Country name  
is ". $country. ". " . " I am learning PHP-Laravel from Ostad Platform.";
```

```
echo $briefIntroduction;
```

```
?>
```

<!-- Task-2 -->

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Temperature Converter</title>

</head>

<body>
  <h1 class="title">Temperature Converter</h1>

  <?php

    $temperature = "";
    $conversionType = "celsiusToFahrenheit";
    $result = "";

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

      $temperature = $_POST["temperature"];
      $conversionType = $_POST["conversionType"];

      if ($conversionType == "celsiusToFahrenheit") {
        $result = ($temperature * 9/5) + 32;
      } else {
        $result = ($temperature - 32) * 5/9;
      }
    }
  ?>

  <div class="container">

    <form class="form" method="post" action="">
      <label class="enter-temp" for="temperature">Enter Temperature:</label>
```

```
<input class="input-enter-temp" type="number" name="temperature" id="temperature"
value="<?php echo $temperature; ?>" required>
```

```
<br/>
```

```
<label class="select-conversion" for="conversionType">Select Conversion:</label>
```

```
<br/>
```

```
<select class="select-conversion-options" name="conversionType" id="conversionType">
  <option value="celsiusToFahrenheit" <?php if ($conversionType ==
"celsiusToFahrenheit") echo "selected"; ?>>Celsius to Fahrenheit</option>
  <option value="fahrenheitToCelsius" <?php if ($conversionType ==
"fahrenheitToCelsius") echo "selected"; ?>>Fahrenheit to Celsius</option>
</select>
```

```
<input class="submit" type="submit" value="Convert">
</form>
```

```
</div>
```

```
<?php
```

```
if ($result !== "") {
  echo "<h2>Result:</h2>";
  if ($conversionType == "celsiusToFahrenheit") {
    echo "$temperature&deg;C is approximately $result&deg;F";
  } else {
    echo "$temperature&deg;F is approximately $result&deg;C";
  }
}
?>
```

```
</body>
```

```
</html>
```

<!-- Task-3 -->

```
<!DOCTYPE html>
<html>
<head>
  <title>Grade Calculator</title>
</head>
<body>
  <h2>Grade Calculator</h2>
  <form method="post">
    <label for="score1">Test Score 1:</label>
    <input type="number" id="score1" name="score1" required><br>

    <label for="score2">Test Score 2:</label>
    <input type="number" id="score2" name="score2" required><br>

    <label for="score3">Test Score 3:</label>
    <input type="number" id="score3" name="score3" required><br>

    <input type="submit" value="Calculate">
  </form>

  <?php
  if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $score1 = $_POST["score1"];
    $score2 = $_POST["score2"];
    $score3 = $_POST["score3"];

    $average = ($score1 + $score2 + $score3) / 3;

    $grade = "";

    if ($average >= 90) {
      $grade = 'A';
    } elseif ($average >= 80) {
```

```
        $grade = 'B';
    } elseif ($average >= 70) {
        $grade = 'C';
    } elseif ($average >= 60) {
        $grade = 'D';
    } else {
        $grade = 'F';
    }

    echo "<h3>Results:</h3>";
    echo "Average Score: $average<br>";
    echo "Letter Grade: $grade";
}
?>
</body>
</html>
```

<!-- Task-4 -->

<!DOCTYPE html>

<html>

<head>

 <title>Even or Odd Checker</title>

</head>

<body>

 <h2>Even or Odd Checker</h2>

 <?php

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

 \$number = \$_POST["number"];

 if (\$number % 2 == 0) {

 \$result = "even";

 } else {

 \$result = "odd";

 }

 echo "<p>The number \$number is \$result.</p>";

 }

 ?>

 <form method="post" action="<?php echo \$_SERVER["PHP_SELF"]; ?>">

 <label for="number">Enter a number:</label>

 <input type="number" id="number" name="number" required>

 <button type="submit">Check</button>

 </form>

</body>

</html>

<!-- Task-5 -->

```
<!DOCTYPE html>
<html>
<head>
  <title>Weather Report</title>
</head>
<body>
  <h2>Weather Report</h2>

  <?php

    $temperature = 20;

    if ($temperature < 0) {
      $message = "It's freezing!";
    } elseif ($temperature >= 0 && $temperature < 15) {
      $message = "It's cool.";
    } elseif ($temperature >= 15 && $temperature < 25) {
      $message = "It's warm.";
    } else {
      $message = "It's hot!";
    }

    echo "<p>Temperature: $temperature&deg;C</p>";
    echo "<p>$message</p>";
  ?>
</body>
</html>
```

<!-- Task-6 -->

```
<!DOCTYPE html>
<html>
<head>
  <title>Number Comparison Tool</title>
</head>
<body>
  <h2>Number Comparison Tool</h2>

  <form method="post">
    <label for="number1">Enter the first number:</label>
    <input type="text" name="number1" id="number1" required><br><br>

    <label for="number2">Enter the second number:</label>
    <input type="text" name="number2" id="number2" required><br><br>

    <input type="submit" name="compare" value="Compare">
  </form>

  <?php
  if (isset($_POST['compare'])) {

    $number1 = $_POST['number1'];
    $number2 = $_POST['number2'];

    $largerNumber = ($number1 > $number2) ? $number1 : $number2;

    echo "<p>The larger number is: $largerNumber</p>";
  }
  ?>
</body>
</html>
```


<!-- Task-7 -->

```
<!DOCTYPE html>
<html>
<head>
  <title>Simple Calculator</title>
</head>
<body>
  <h2>Simple Calculator</h2>

  <form method="post">
    <label for="number1">Enter the first number:</label>
    <input type="text" name="number1" id="number1" required><br><br>

    <label for="operator">Select an operation:</label>
    <select name="operator" id="operator">
      <option value="add">Addition (+)</option>
      <option value="subtract">Subtraction (-)</option>
      <option value="multiply">Multiplication (*)</option>
      <option value="divide">Division (/)</option>
    </select><br><br>

    <label for="number2">Enter the second number:</label>
    <input type="text" name="number2" id="number2" required><br><br>

    <input type="submit" name="calculate" value="Calculate">
  </form>

  <?php
  if (isset($_POST['calculate'])) {

    $number1 = $_POST['number1'];
    $number2 = $_POST['number2'];
    $operator = $_POST['operator'];

    switch ($operator) {
      case 'add':
        $result = $number1 + $number2;
        $operationSymbol = '+';
        break;
      case 'subtract':
        $result = $number1 - $number2;
```

```
        $operationSymbol = '-';
        break;
    case 'multiply':
        $result = $number1 * $number2;
        $operationSymbol = '*';
        break;
    case 'divide':
        if ($number2 != 0) {
            $result = $number1 / $number2;
            $operationSymbol = '/';
        } else {
            $result = "Undefined (Division by zero)";
        }
        break;
    default:
        $result = "Invalid operation";
        break;
}

    echo "<p>Result: $number1 $operationSymbol $number2 = $result</p>";
}
?>
</body>
</html>
```