

Task 1: Personal Information Page

```
<!DOCTYPE html>
<html>
<head>
  <title>Personal Information</title>
</head>
<body>

<?php
// Define variables
$name = "Khaled Bin Islam.";
$age = 25;
$country = "Bangladesh";
$introduction = "I'm Khaled Bin Islam, a Computer Science and Engineering graduate with a passion for
teaching and web development. As an Adjunct Lecturer at Merseyside Global College, I excel in Facebook
marketing and project management, contributing to Dream Walkers' success. My dedication to nurturing future
IT professionals drives me to create engaging learning experiences. Connect with me on LinkedIn and
Facebook to learn more about my journey.";

// Display personal information
echo "<h1>Personal Information</h1>";
echo "<p><strong>Name:</strong> $name</p>";
echo "<p><strong>Age:</strong> $age</p>";
echo "<p><strong>Country:</strong> $country</p>";
echo "<p><strong>Introduction:</strong> $introduction</p>";
?>

</body>
</html>
```

Task 2: Temperature Converter

```
<!DOCTYPE html>
<html>
<head>
  <title>Temperature Converter</title>
</head>
<body>
  <h1>Temperature Converter</h1>

  <?php
  // Initialize variables
  $temperature = "";
  $converted_temperature = "";
  $conversion_direction = "";

  // Check if the form is submitted
  if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // Get input values from the form
    $temperature = $_POST["temperature"];
```

```

$conversion_direction = $_POST["conversion_direction"];

// Perform temperature conversion
if ($conversion_direction === "c_to_f") {
    // Celsius to Fahrenheit conversion
    $converted_temperature = ($temperature * 9/5) + 32;
} elseif ($conversion_direction === "f_to_c") {
    // Fahrenheit to Celsius conversion
    $converted_temperature = ($temperature - 32) * 5/9;
}
}
?>

<!-- Display the form -->
<form method="post">
    <label for="temperature">Enter Temperature:</label>
    <input type="number" name="temperature" id="temperature" required step="0.01" value="<?php echo
$temperature; ?>">

    <label for="conversion_direction">Select Conversion Direction:</label>
    <select name="conversion_direction" id="conversion_direction" required>
        <option value="c_to_f" <?php if ($conversion_direction === "c_to_f") echo "selected"; ?>>Celsius to
Fahrenheit</option>
        <option value="f_to_c" <?php if ($conversion_direction === "f_to_c") echo "selected"; ?>>Fahrenheit
to Celsius</option>
    </select>

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

<?php
// Display the converted temperature if it's available
if ($converted_temperature !== "") {
    echo "<h2>Result:</h2>";
    if ($conversion_direction === "c_to_f") {
        echo "<p>{$temperature} Celsius is equal to {$converted_temperature} Fahrenheit.</p>";
    } else {
        echo "<p>{$temperature} Fahrenheit is equal to {$converted_temperature} Celsius.</p>";
    }
}
?>

</body>
</html>

```

Task 3: Grade Calculator

```

<!DOCTYPE html>
<html>
<head>
    <title>Grade Calculator</title>

```

```

</head>
<body>
  <h1>Grade Calculator</h1>

  <?php
  // Define the test scores
  $score1 = 85;
  $score2 = 72;
  $score3 = 95;

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

  // Determine the corresponding letter grade
  if ($average >= 90) {
    $grade = 'A';
  } elseif ($average >= 80) {
    $grade = 'B';
  } elseif ($average >= 70) {
    $grade = 'C';
  } elseif ($average >= 60) {
    $grade = 'D';
  } else {
    $grade = 'F';
  }
  ?>

  <h2>Test Scores:</h2>
  <ul>
    <li>Test 1: <?php echo $score1; ?></li>
    <li>Test 2: <?php echo $score2; ?></li>
    <li>Test 3: <?php echo $score3; ?></li>
  </ul>

  <h2>Average Score:</h2>
  <p><?php echo $average; ?></p>

  <h2>Letter Grade:</h2>
  <p><?php echo $grade; ?></p>
</body>
</html>

```

Task 4: Even or Odd Checker

```

<!DOCTYPE html>
<html>
<head>
  <title>Even or Odd Checker</title>
</head>

```

```

<body>
  <h1>Even or Odd Checker</h1>

  <?php
    // Initialize variables
    $number = "";
    $message = "";

    // Check if the form is submitted
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
      // Get input value from the form
      $number = $_POST["number"];

      // Check if the number is even or odd
      if ($number % 2 == 0) {
        $message = "$number is an even number.";
      } else {
        $message = "$number is an odd number.";
      }
    }
  ?>

  <form method="post">
    <label for="number">Enter a Number:</label>
    <input type="number" name="number" id="number" required>

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

  <?php
    // Display the result message if it's available
    if ($message != "") {
      echo "<h2>Result:</h2>";
      echo "<p>$message</p>";
    }
  ?>

</body>
</html>

```

Task 5: Weather Report

```

<!DOCTYPE html>
<html>
<head>
  <title>Weather Report</title>
</head>

```

```
<body>
  <h1>Weather Report</h1>

  <?php
    // Define the temperature variable (you can change this value)
    $temperature = 20; // Change this temperature as needed

    // Determine the weather message based on the temperature range
    if ($temperature <= 0) {
      $message = "It's freezing!";
    } elseif ($temperature > 0 && $temperature < 20) {
      $message = "It's cool.";
    } else {
      $message = "It's warm.";
    }
  ?>

  <p>The current temperature is <?php echo $temperature; ?> degrees Celsius.</p>
  <p><?php echo $message; ?></p>
</body>
</html>
```

Task 6: Comparison Tool

```
<!DOCTYPE html>
<html>
<head>
  <title>Comparison Tool</title>
</head>
```

```
<body>
  <h1>Comparison Tool</h1>

  <?php
    // Initialize variables
    $number1 = "";
    $number2 = "";
    $result = "";

    // Check if the form is submitted
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
      // Get input values from the form
      $number1 = $_POST["number1"];
      $number2 = $_POST["number2"];

      // Use the ternary operator to determine the larger number
      $result = ($number1 > $number2) ? $number1 : $number2;
    }
  ?>

  <form method="post">
    <label for="number1">Enter First Number:</label>
    <input type="number" name="number1" id="number1" required>

    <label for="number2">Enter Second Number:</label>
    <input type="number" name="number2" id="number2" required>

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

  <?php
    // Display the result if it's available
    if ($result != "") {
      echo "<h2>Result:</h2>";
      echo "<p>The larger number is: $result</p>";
    }
  ?>

</body>
</html>
```

Task 7: Simple Calculator

Index.php:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
    <?php include "style.css" ?>
  </style>

</head>
<body>

  <div class="container">
    <h1>OSTAD CALCULATOR</h1>

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

      <input type="number" name="num1" placeholder="Enter the number" required><br>
      <input type="number" name="num2" placeholder="Enter the number" required><br>
      <select name="operation">
        <option value="add">Addition</option>
        <option value="subtract">Subtraction</option>
        <option value="multiply">Multiply</option>
        <option value="divide">Divide</option>
        <option value="binary">Binary</option>
        <option value="octal">Octal</option>
        <option value="hexadecimal">Hexadecimal</option>
      </select><br>

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

    </form>

    <div id="result">

      <?php

      if ($_SERVER["REQUEST_METHOD"] == "POST"){
        $num1 = $_POST["num1"];
        $num2 = $_POST["num2"];
        $operation = $_POST["operation"];

        switch($operation){
          case "add":
            $result = $num1 + $num2;
            echo "<h1>Result: $result</h1>";
            break;
```

```

case "subtract":
    $result = $num1 - $num2;
    echo "Result: $result";
    break;

case "multiply":
    $result = $num1 * $num2;
    echo "Result: $result";
    break;

case "divide":
    if($num2 != 0){
        $result = $num1 / $num2;
        echo "Result: $result";
    } else {
        echo "Can not divide by zero";
    }
    break;

case "binary":
    echo "Binary: " . decbin($num1);
    break;

case "octal":
    echo "Octal: " . decoct($num1);
    break;
case "hexadecimal":
    echo "Hexadecimal: " . dechex($num1);
    break;
}
}
?>

```

</div>

</div>

</body>

</html>

Style.css:

```

body{
    font-family: Arial, sans-serif;
    text-align: center;
}

```

```

.container{
    margin: 50px auto;
    width: 300px;
    border: 1px solid #CCC;
    padding: 20px;
    border-radius: 10px;
}

```



```
    box-shadow: 0 0 10px rgba(0, 0, 0,0.2);

}

input[type="number"], select{
    width: 100%;
    padding: 8px;
    margin-bottom: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
}

button{
    background-color: #007bff;
    color: white;
    border: none;
    padding: 10px 20px;
    border-radius: 3px;
    cursor:context-menu;
}

#result{
    margin-top: 20px;
    font-size: 18px;
}
```