**ch02\_ex1**

1. **index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Product Discount Calculator</title>

    <link rel="stylesheet" href="main.css">

</head>

<body>

    <main>

        <h1>Product Discount Calculator</h1>

        <form action="display\_discount.php" method="post">

            <div id="data">

                <label for="">Product Description: </label>

                <input type="text" name="product\_description"><br>

                <label for="">List Price: </label>

                <input type="text" name="list\_price"><br>

                <label for="">Discount Percent: </label>

                <input type="text" name="discount\_percent"><span>%</span><br>

            </div>

            <div id="buttons">

                <label for="">&nbsp;</label>

                <input type="submit" value="Calculate Discount"><br>

            </div>

        </form>

    </main>

</body>

</html>

1. **display\_discount.php**

<?php

    $product\_description = filter\_input(INPUT\_POST, 'product\_description');

    $list\_price = filter\_input(INPUT\_POST, 'list\_price');

    $discount\_percent = filter\_input(INPUT\_POST, 'discount\_percent');

        $discount = $list\_price \* $discount\_percent \* .01;

        $discount\_price = $list\_price - $discount;

        $list\_price\_f = "$".number\_format($list\_price, 2);

        $discount\_percent\_f = $discount\_percent."%";

        $discount\_f = "$".number\_format($discount, 2);

        $discount\_price\_f = "$".number\_format($discount\_price, 2);

?>

<!DOCTYPE html>

<html>

<head>

    <title>Product Discount Calculator</title>

    <link rel="stylesheet" href="main.css">

</head>

<body>

    <main>

        <h1>Product Discount Calculator</h1>

        <label>Product Description:</label>

        <span><?php echo htmlspecialchars($product\_description); ?></span><br>

        <label>List Price:</label>

        <span><?php echo htmlspecialchars($list\_price\_f); ?></span><br>

        <label>Standard Discount:</label>

        <span><?php echo htmlspecialchars($discount\_percent\_f); ?></span><br>

        <label>Discount Amount:</label>

        <span><?php echo $discount\_f; ?></span><br>

        <label>Discount Price:</label>

        <span><?php echo $discount\_price\_f; ?></span><br>

    </main>

</body>

</html>

1. **main.css**

body{

    font-family: Arial, Helvetica, sans-serif;

}

main{

    display: block;

    width: 450px;

    margin: 0 auto;

    padding: 1em;

    background: white;

    border: 2px solid navy;

}

h1{

    margin-top: 0;

    color: navy;

}

label{

    width: 10em;

    float: left;

    padding-right: 1em;

    padding-bottom: .5em;

}

#data input{

    float: left;

    width: 15em;

    margin-bottom: .5em;

}

#data span{

    padding-left: .25em;

}

#buttons input {

    margin-bottom: .5em;

}

br {

    clear: left;

}