PHP-II

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SIUE

Array type

```
<!DOCTYPE html>
<html>
<head>
        <title>PHP Array Example</title>
</head>
<body>
<?php
        $fruits = array("apple", "banana", "cherry", "date");

        echo "<p>My favorite fruits are:</p>";
        echo "<ul>";
        echo "<li>" . $fruits[0] . "</li>";
        echo "<li>" . $fruits[1] . "</li>";
        echo "<li>" . $fruits[2] . "</li>";
        echo "<li>" . $fruits[3] . "</li>";
        echo "</ul>";

        $fruits[] = "grape";

        echo "<p>After adding 'grape', the array becomes:</p>";
        echo "<ul>";
        foreach ($fruits as $fruit) {
        echo "<li>$fruit</li>";
        }
        echo "</ul>";
?>

</body>
</html>
```

Checkboxes

index.html

```
<!DOCTYPE html>
<html>
<head>
        <title>Multiple Checkboxes Form</title>
</head>
<body>
        <h2>Multiple Checkboxes Form</h2>
        <form action="server.php" method="post">
        <label for="option1">
        <input type="checkbox" name="checkbox[]" id="option1" value="red"> RED
        </label>
        <br>
        <label for="option2">
        <input type="checkbox" name="checkbox[]" id="option2" value="green"> GREEN
        </label>
        <br>
        <label for="option3">
        <input type="checkbox" name="checkbox[]" id="option3" value="blue"> BLUE
        </label>
        <br>
        <input type="submit" value="Submit">
        </form>
</body>
</html>
```

Checkboxes

```
<!DOCTYPE html>
<html>
<head>
        <title>Checkbox Result</title>
</head>
<body>
        <h2>Checkbox Result</h2>
        <?php
        if (isset($_POST['checkbox']) && !empty($_POST['checkbox'])) {
        $selectedOptions = $_POST['checkbox'];
        echo "You selected the following options:<br>";
        foreach ($selectedOptions as $option) {
        echo "- $option<br>";
        }
        } else {
        echo "No options were selected.";
        }
        ?>
</body>
</html>
```

server.php

```
<?php
if (isset($_POST['checkbox']) && !empty($_POST['checkbox'])) {
$selectedOptions = $_POST['checkbox'];
echo "You selected the following options:<br>";
foreach ($selectedOptions as $option) {
echo "- $option<br>";
}
} else {
echo "No options were selected.";
}
?>
```

Global variables

- $_POST and $_GET are global variables
- Used to collect form data after submitting a HTML form
- Used to pass variables

Associative array

```
<!DOCTYPE html>
<html>
<head>
        <title>Associative Array Demo</title>
</head>
<body>
        <h2>Associative Array Demo</h2>
        <form action="server.php" method="post">
        <label for="name">Name:</label>
        <input type="text" name="name" id="name">
        <br>
        <label for="email">Email:</label>
        <input type="text" name="email" id="email">
        <br>
        <input type="submit" value="Submit">
        </form>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
        <title>Associative Array Result</title>
</head>
<body>
        <h2>Associative Array Result</h2>
        <?php
        if (isset($_POST['name']) && isset($_POST['email'])) {

        $user = array(
        'Name' => $_POST['name'],
        'Email' => $_POST['email']
        );

        echo "User Information:<br>";
        foreach ($user as $key => $value) {
        echo "<strong>$key:</strong> $value<br>";
        }
        $name=$user['Name'];
        echo "The name is $name";
        } else {
        echo "Please fill out the form.";
        }
        ?>
</body>
</html>
```

Key value pair

```php
<!DOCTYPE html>
<html>
<head>
        <title>Associative Array Result</title>
</head>
<body>
        <h2>Associative Array Result</h2>
        <?php
        if (isset($_POST['name']) && isset($_POST['email'])) {
        $user = array(
        $_POST['name'] => $_POST['email']
        );

        echo "User Information:<br>";
        foreach ($user as $key => $value) {
        echo "<strong>$key:</strong> $value<br>";
        }

        $email=$user[$_POST['name']];
        echo "The email is $email";
        } else {
        echo "Please fill out the form.";
        }
        ?>
</body>
</html>
```

Functions

```html
<!DOCTYPE html>
<html>
<head>
        <title>Shopping Cart</title>
</head>
<body>
        <h2>Shopping Cart</h2>
        <form action="server.php" method="post">
        <label for="item">Select an item:</label>
        <select name="item" id="item">
        <option value="item1">Item 1 ($10)</option>
        <option value="item2">Item 2 ($15)</option>
        <option value="item3">Item 3 ($20)</option>
        </select>
        <br>
        <label for="quantity">Enter quantity:</label>
        <input type="number" name="quantity" id="quantity" required>
        <br>
        <input type="submit" value="Add to Cart">
        </form>
</body>
</html>
```

Function

```php
<!DOCTYPE html>
<html>
<head>
        <title>Shopping Cart Result</title>
</head>
<body>
        <h2>Shopping Cart Result</h2>
        <?php
        function calculateItemCost($item, $quantity) {
        $itemPrices = array(
        'item1' => 10,
        'item2' => 15,
        'item3' => 20
        );

        if (array_key_exists($item, $itemPrices)) {
        $itemPrice = $itemPrices[$item];
        return $itemPrice * $quantity;
        } else {
        return 0; // Return 0 for unknown items
        }
        }
```

```php
if (isset($_POST['item']) && isset($_POST['quantity'])) {
        $selectedItem = $_POST['item'];
        $itemQuantity = $_POST['quantity'];

        $itemCost = calculateItemCost($selectedItem,
$itemQuantity);

        echo "Added $itemQuantity of $selectedItem to the
cart.<br>";
        echo "Total cost: $itemCost USD.";
        } else {
        echo "Please select an item and enter a quantity.";
        }
        ?>
</body>
</html>
```