

PHP for Beginners - Session 6

Understanding Arrays

In this session, you will learn about arrays in PHP - a key structure for storing multiple values.

1. Creating a Basic Array

- Example:

```
$names = ['Jeff', 'John', 'Mary'];
```

2. Looping Through an Array with foreach

- Example:

```
foreach ($names as $name) {  
    echo $name . ', '  
}
```

3. Alternative Syntax with HTML

- Example:

```
<?php foreach ($names as $name): ?>  
    <li><?= htmlspecialchars($name) ?></li>  
<?php endforeach; ?>
```

- This syntax is helpful when mixing PHP with HTML templates.

4. Example with HTML List:

```
<?php  
$animals = ['Cat', 'Dog', 'Cow', 'Sheep', 'Horse'];  
?  
<ul>  
  
    <?php foreach ($animals as $animal): ?>  
        <li><?= htmlspecialchars($animal) ?></li>  
  
    <?php endforeach; ?>
```

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5. Practice:

- Create an array of fruits or cities.
- Use foreach to output a list in HTML.
- Apply htmlspecialchars() to each item for safety.

Arrays are one of the most important tools in any programming language.

They help you store, loop through, and display data dynamically.