

Embedding PHP

- Conditional and iterative PHP blocks control HTML inside them
 - These examples print the same 10 lines

```
<?php
for( $i=0; $i<10; i++ ) {
    echo "<h3>This is a level 3 header</h3>\n";
}
?>
```

```
<?php
for( $i=0; $i<10; i++ ) {
    <h3>This is a level 3 header</h3>
}
?>
```

Formatting

- Formatting interleaved HTML and PHP is hard
 - Very important to be consistent and clear with indenting

```
<?php
for( $i=0; $i<10; i++ ) {
?>
    <h3>This is a level 3 header</h3>
```

```
<?php
}
?>
```

```
<? for( $i=0; $i<10; i++ ) { ?>
    <h3>This is a level 3 header</h3>
<? } ?>
```

```
<?php
for( $i=0; $i<10; i++ ) {
    ?><h3>This is a level 3 header</h3><?
} ?>
```

Embedding PHP expressions

- Expressions inside HTML are very common
 - Shortcut syntax `<?= expression ?>`

```
<? for( $i=0; $i<10; i++ ) { ?>  
    <h3>This is header number<? echo $i; ?></h3>  
<? } ?>
```

```
<? for( $i=0; $i<10; i++ ) { ?>  
    <h3>This is header number<?= $i ?></h3>  
<? } ?>
```

Embedding PHP expressions

- Remember, the output is just plain text/html
 - Whitespace doesn't matter
 - Nothing special about the HTML tags

```
<? for( $i=0; $i<10; i++ ) { ?>
    <h<?=$i?>>This is header number<?=$i?></h<?=$i?>>
<? } ?>
```