



Intro to Programming

COEN 10

Lab 2

Multiplication Test



Multiplication Test

- You will create a page to help kids practice the multiplication table
- How it works
 - You generate two random numbers between 0 and 12 and show them on the page
 - You read a number from the keyboard
 - You compare the input with the answer and either show a “Good Job” page or a “You need practice” page with the correct answer.



Multiplication Test

- You will use HTML/PHP
 - You need two pages
 - First (Main) page
 - You show the users
`number1 x number2 = <input box>`
`submit button`
 - The user enters the answer and submit
 - The 3 values are sent to the second page
 - Second page
 - Check the answer
 - » if correct → output “Good Job!!”
 - » if not correct → output the right answer
 - Have a button that sends it back to the main page.



Multiplication Test

- FORM
 - Use either **GET** or **POST** to send info to the second page.
- Random numbers

`$value = rand (0, 12);`

 - Assign a random number between 0 and 12 to variable \$value
 - You need two of those



Multiplication Test

- **POST** Example – sending page – ex.php

...

```
<form action="ex2.php" method="POST">
```

```
<input type="hidden" name="number1" value="<?php echo $number1; ?>" />
```

```
<input type="hidden" name="number2" value="<?php echo $number2; ?>" />
```

```
<input type="number" name="number3" />
```

```
<input type="submit" value="Calculate!" />
```

```
</form>
```

...



Multiplication Test

- **POST** example – receiving page – ex2.php
 - To read values received

...

```
$number1 = $_POST["number1"];
```

```
$number2 = $_POST["number2"];
```

```
$number3 = $_POST["number3"];
```

...

- To go back to the first page

```
<form method="POST" action="ex.php">
```

```
  <input type="submit" value="Try again" />
```

```
</form>
```



Lab 2 – Multiplication Test

- When you are done
 - Demo
 - Show the page behavior to the TA
 - Submit
 - Submit the source code to Camino