COEN 10 – Lab 2

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Lab 2 – 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.

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❖You will use html/php

◆You need two pages

• Main page
  – You show the users
  number1 x number2 = <input box>
  submit buttom
  – 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.

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❖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

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❖ 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>
…
```

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❖ 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>
```

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❖When you are done

◆Demo

- Show the page behavior to the TA

◆Submit

- Print and submit the source code of the pages to the TA

- Don't forget to put your name on it!