



Midterm Examination - CS601

Question 1

If there are no errors say, "There are no errors." in your answer.
Otherwise, fix the anything that needs to be corrected.

```
<style href="/styles/../.core.css">
  [title="target"]
  {
    font-face: ('bold'),
    font-color: hex(5544400),
  }
<style>
```

Question 2

The content on this page you see below is centered. The grey color you see is #666. The overall width is 800 pixels. You do not have to code the, 'Replicate the HTML code below. There is no javascript. Do not use a <table>



Replicate the HTML code below.
There is no javascript. Do not use <table>

Home Page
About Us
Contact

Throughout your HTML course book and its related chapters, you made extensive use of HTML and CSS to format and style Web-based content. To fully unlock the potential interactivity of a webpage, developers make extensive use of the JavaScript programming language.

Using JavaScript, developers can change an HTML element's content, modify CSS styles, change attributes, and more. JavaScript is a programming language where developers specify instructions the browser must perform to accomplish a specific task. What makes JavaScript unique is that the instructions are executed within the browser, a process referred to by developers as client-side processing.

Question 3

Right the CSS and HTML that answers the question.

Float a series of images down the right side of a page, in a nice, straight column, with content flowing right next to each image.

Question 4*Fix the code.*

```
<?php
_orderId = 87389939;
_shipper = $_POST[shipping_method];
_shipping-Cost = 0.0;
_upsOverage = 1

switch(_shipper)
{
    case UPS
        echo "calculating shipping for " + _orderId;
        _upsOverage = "$" + .7;
        _shipping-Cost = _upsOverage * 1.8
    case DHL
        echo "calculating shipping + costs";
    default
        die();
}
?>
```

Question 5*Write code.*

Using only div's, and CSS, replicate the header elements style and behavior.

Question 6

The content on this page is centered. The grey color you see is #666. The overall width is 800 pixels.
The column headers background color is cornsilk.

A screenshot of a Mac OS X desktop showing a web browser window. The title bar says "MET CS601 - Midterm Exam". The address bar shows "file:///Users/andrew/MET/601/04_Midterm/code_creation_02.html". The bookmarks bar has many items like "Apps", "BackEnd", "CHB Dev Links", etc. The main content area contains the following text and table:

Replicate the HTML code below.
There is no javascript. This question uses a <table>

The link to this information: <http://www.baseball-reference.com>

Player Name	Height	Weight	Position	2015 Contract Status
Omar Infante	5'11	225	Second Baseman, Shortstop and Third Baseman	Signed thru 2017, 4 yrs/\$30.25M
Alex Rodriguez	6'6	235	Pitcher	Signed thru 2017, 10 yrs/\$252.87M
John Lackey	6'3	225	Short Stop, 3rd Base	Signed thru 2015, 6 yrs/\$83M

Question 7

Is this statement true or false:

PHP does require you to declare a data type.

Question 8

Why isn't this code working? (\$num is not getting the value from the HTML form.)

```
<form method="post" action="target.php">
  <input type="number" value="test" name="phone"/>
</form>

<?php $num = $_get[number]; ?>
```

Question 9

Explain your answer using code.

Does height and width have anything to do with the "The Box Model" in CSS? Write a small sample that demonstrates why or why not.

Question 10

If we were on a HTML page that was very, very long (The height of the page requires you to scroll down) and we wanted to provide a link that brings me back to the top of that same page, how would you implement that?

Do not use JavaScript in your answer.

Question 11

Create a page (see the sample page below) that asks the user to authenticate.

When the user clicks the button, make a request to your localhost to check a "users" table in your "midterm" database.

Assume you have that database ("midterm") created on your localhost, with that table ("users") already there. In the "users" table, you have 2 columns, username and password.

You have to use the PDO API to check that table in that database.

Return the data back to the caller, with "result":"success" or "failed"

Authenticate Yourself

Username

Password

When authentication failed:

Authenticate Yourself

Username

Password

There was a problem and we could not authenticate you.

Question 12

Write the CSS and HTML to accomplish the result.

Float an image to the right of a block of text and apply a border to the image.

Question 13*Fix the issues*

```
@media only-screen  
and (minimum-device-width -> 320px)  
and (maximum-device-width -> 480px)  
.odd { width -> 20%; }  
}
```

Question 14*Correct the HTML code.*

```
<table>
<tr>
<td>
<caption colspan="2">Age Progression Chart</caption>
</td>
</tr>
<body>
<tr>
<td><h3>There is no data.</h3></td>
</tr>
</body>
</table>
```

Question 15

Would this CSS rule work with the HTML below?

cite > em + span

The code:

```
<p>
<div>
<cite>
<em><span>testing</span>
</cite>
<cite>Hi</cite>
<em><span>There</span>
</div>
</p>
```
