

choose one: Received Received help from:
 (or more) no help Collaborated with: _____

Homework: /SI110/The Cyber Battlefield/ HTML Client Side Scripting: Non-event driven

1. Draw what would appear in a browser if the following html file was loaded: 20/15/10/0

```
<html>
  <body>
    <u>chair</u>
    <script type="text/javascript">document.write("bus");</script>
    <p>cruel</p>
    <script type="text/javascript">document.write("w<u>end</u>ing");</script>
  </body>
</html>
```

2. The page <http://rona.cs.usna.edu/~si110/lec/l12/hw/hw1.html> contains a secret message. What is it, and how did you figure it out? 20/10/0/0
Unhelpful Hint: If you know the trick , this takes two seconds.

3. Suppose you are creating a great new website. You find out that there's a nice piece of free-to-use javascript at <http://free2usescripts.com/dancinbear.js> that produces a cool animated dancing bear, and you decide you want to add it to your webpage. You have two ways to do this:

30/25/20/15/10/5/0 : 5 per cell

Option a. Put in your page:

```
<script type="text/Javascript" src="http://free2usescripts.com/dancinbear.js"></script>
```

Option b. Save a copy of the script locally as `dancingbearcopy.js` & put in your page:

```
<script type="text/Javascript" src="dancinbearcopy.js"></script>
```

You recognize that using code from other folks carries some risk, after all what if this code included `document.location='http://www.lotsaevil.org'`? That'd ruin your site! In this light, maybe one of the two options is safer than the other. In the table below, cross out any entries that you are not secure against.

With Option a you are secure against ...	Past & current evil from the folks at free2usescripts.com	Future evil from the folks at free2usescripts.com	Future attacks against folks at free2usescripts.com
With Option b you are secure against ...	Past & current evil from the folks at free2usescripts.com	Future evil from the folks at free2usescripts.com	Future attacks against folks at free2usescripts.com

4. View the following two pages, whose HTML source is shown below:

<http://rona.cs.usna.edu/~si110/lec/l12/hw/hw3.html>

```
<html>
<head></head>
<body>
  <script type="text/javascript">
    alert("Get ready for a surprise!");
  </script>

  ... and the surprise is ...

  <script type="text/javascript">
    document.location = "http://www.usma.edu";
  </script>
</body>
</html>
```

<http://rona.cs.usna.edu/~si110/lec/l12/hw/hw4.html>

```
<html>
<head></head>
<body>
  <script type="text/javascript">
    document.location = "http://www.usma.edu";
  </script>

  ... and the surprise is ...

  <script type="text/javascript">
    alert("Get ready for a surprise!");
  </script>
</body>
</html>
```

a. Describe the difference in what happens when you visit hw3.html versus hw4.html, and explain why that different behavior happens in terms of the HTML source code shown above.

15 / 12 / 8 / 0

b. Turn off Javascript in your browser (just for this problem!) and go view the two pages again. Describe what you see on the two pages now, and explain the change. (Note: you might have to enter the two URL's by hand now that you've turned off Javascript!)

15 / 12 / 8 / 0