

CMPSCI 120 Homework 2

This homework is due in hard copy (paper), at the beginning of class on Thursday, September 27. No emailed submissions will be accepted.

Furthermore, please ensure your first and last names are written on your homework. Please write neatly or type your homework; illegible solutions will not receive any credit. Please staple all pages together. Points may be deducted for not following these rules.

1. Create a webpage called `hw2.html` in your `public_html` directory. Start by adding the four essential tags to the webpage (`<html>`, `<head>`, `<title>`, and `<body>`) using the correct order and nesting. Have the title of the webpage (that appears in the title bar of the web browser) be “CMPSCI 120 Homework 3.”

This page should be visible from the URL

`http://people.umass.edu/username/hw2.html`

where “username” is replaced by your login name to the web server.

Add a paragraph of text to the page. The paragraph can be about anything you want. Make at least one word bold, and one word italicized.

When you hand in this homework, for this question, simply write down the URL of this webpage you created. This should be relatively easy, as you just make a slight change to the URL above.

2. In relation to passwords, what is a *dictionary attack*? How can you choose a password to prevent such an attack from succeeding?
3. It turns out that the password “!`@#$%^&*’`” is very common. Why do you think so many people choose this password?
4. Explain how a computer virus, a Trojan horse, and a worm differ from each other.
5. What is a *phishing email*? How might you recognize one? What should you do if you receive one?
6. Read the UMass Acceptable Use Policy for Computing and Information Technology Resources (see http://www.oit.umass.edu/policies/acceptable_use). Notice the part that says “The University, thus, reserves the right to examine material stored on or transmitted through its resources if there is cause to believe that the standards for acceptable and ethical use are being violated by a member of the University community or a trespasser onto its systems or networks.”

Do you think it’s OK for the University to be allowed to look at your files stored on their computers (for example, on UDrive) or read your email, in the name of security? Why or why not? Justify your opinion.