# FIT100

### Test Your Tech

1

Crackers and cookies are:

- A. Bytes to share with friends.
- B. The best minor league baseball team of all time and their cheerleaders.
- C. Hackers who attempt to break a program (crackers) and data stored on your computer by a Web server (cookies).

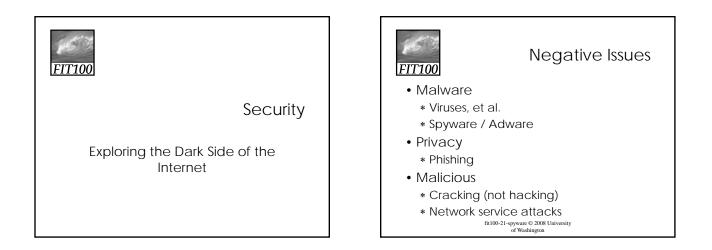


## Test Your Tech

2

Crackers and cookies are:

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Different Types of Virii/Spyware

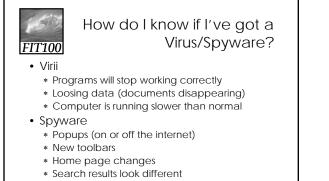
- Spyware
- Adware
- Embedded Programs
- Trojan Horse
- Browser Hijackers
- Dialers
- Worms

fit100-21-spyware © 2008 University of Washington

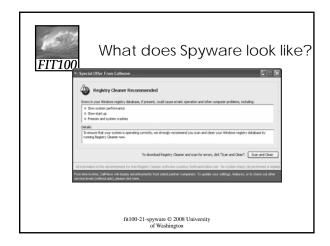
# FIT100

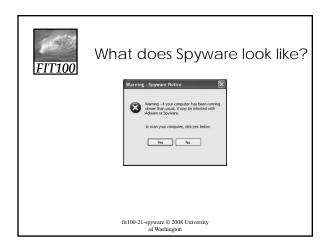
Why do people make Virii/Spyware?

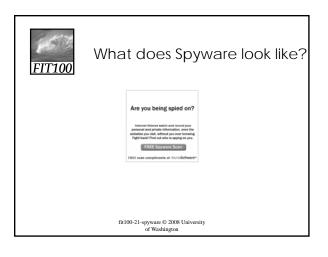
- Profit
- Malice
- Boredom
- Business
- A challenge
- "Respect" from other virii writers

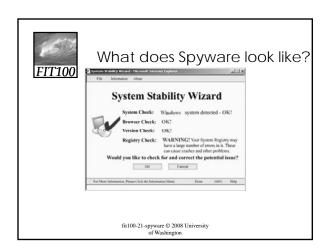


\* Error messages when accessing the web

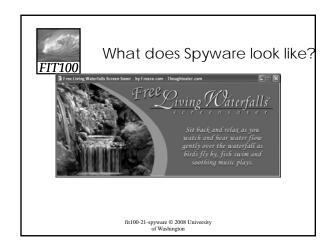




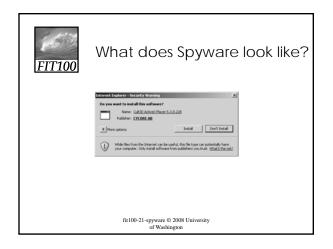






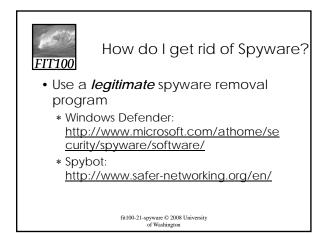


FITT100 What does Spyware look like?
Control C
fit100-21-spyware © 2008 University of Washington



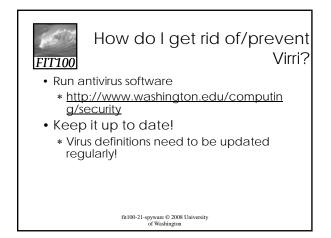


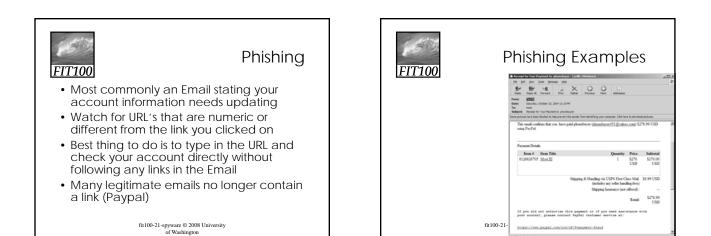


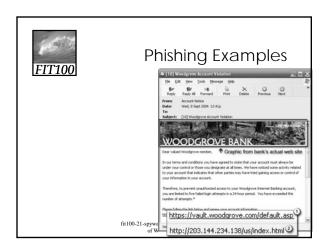


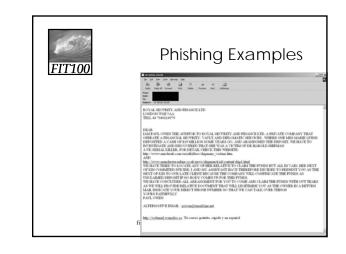
# How do I prevent Spyware?

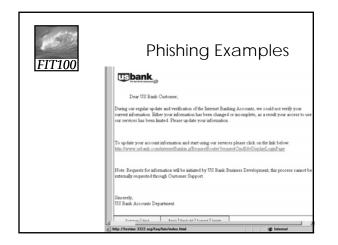
- Be conscious of what you are clicking on/downloading
- Some pop-ups have what appears to be a close button, but will actually try to install spyware when you click on it. Always look for the topmost right red X.
- Remember that things on the internet are rarely free. "Free" Screensavers etc. generally contain ads or worse that pay the programmer for their time.

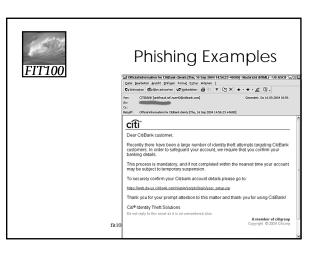


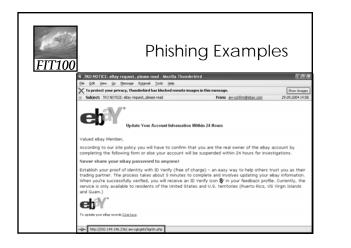


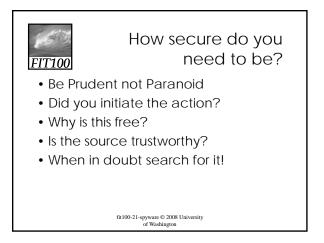


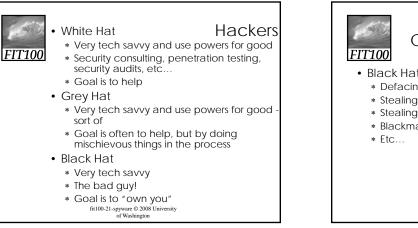








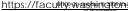






#### Cracking - What are their secrets? FIT100 Social Engineering \* Manipulating people to have them give you access \* "Hello I am calling from tech support about the problem you submitted. Let me get your password and I will help you right away..." Buffer Overflow \* Finding problems in programming code Writing outside of memory location (Example - writing past the end of an array into a variable called: myPassword and saving your own password) Cross Site Scripting \* One site or program is used to edit another site

- \* See my example: https://faculty:washington:edu/samspade/se cure/ (works in IF and Safari)





## **Denial of Service Attack**

Also known as a DoS attack

- attack on a computer system or network that causes a loss of service to users
- · Consuming the bandwidth of the victim network or overloading the computational resources of the victim system.
- Sort of like someone constantly calling you over and over again. You wouldn't be able to use your phone.
- If they don't affect you directly \* May slow down your network service...
- · If they do affect you directly
- \* May block your network service... fit100-21-spyware © 2008 University of Washington



Questions

- If I wanted to update a group of coworkers about a project and solicit their feedback, would I want to use a synchronous or asynchronous system?
- What communication system would work well and why?



### Questions

• If I were in marketing, and wanted to "put my finger on the pulse" of a particular group of people: say candy lovers, what social technologies could I use to find out what they are thinking?