Ethics and Computer Invaders
What are ‘Ethics’?

• Personal code of conduct accepted by society

• Using technology appropriately
Copyright

• Exclusive right of the owner to reproduce or distribute copies of their work

• U.S. Copyright Office  http://www.copyright.gov/
What can be copyrighted?

Any work of art created by you!

The owner of the work is the creator of the work.

US Copyright Office: [http://www.copyright.gov](http://www.copyright.gov)

- Games
- Software
- Music, Lyrics
- Photographs
- Art work
- Drawings
- Poems, Magazines
- Essays, Books
- Dance Choreography
Word Wrap

Typing the text and allowing the words to wrap to the next line without pressing enter.

For typing paragraphs.
Site License

- Grants the user permission to make a certain number of copies to use on multiple machines
Piracy

- The illegal copying and distributing of software
- Difficult to prevent, because it is so easy to do
Fair Use Guidelines

Allows the public to use portions of copyrighted work for certain purposes:

1. Education
2. News Reporting
3. Parody
4. Critical Comment

Guidelines:
– You can’t change the original content
– Can only use a portion – 10% or 30 seconds.
Spyware and Adware

Computer programs that monitor the browsing habits of users. They record the web sites you visit and the software you use.

Side Effects:
1. Unwanted advertising onto your computer screen.
2. Internet freezing
3. Computer system slows down

Copyright News Videos – 20/20
http://abcnews.go.com/GMA/video/playerIndex?id=3780146
http://abcnews.go.com/WNT/Video/playerIndex?id=2947931
# Software Usage

<table>
<thead>
<tr>
<th>Commercial software</th>
<th>Shareware</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Owned or copyrighted by individuals or businesses</td>
<td>1. Copyrighted</td>
</tr>
<tr>
<td>2. Purchased in a store</td>
<td>2. Available through mail order or internet</td>
</tr>
<tr>
<td>3. Permission needed to copy</td>
<td>3. Distributed free of charge on a trial basis</td>
</tr>
<tr>
<td></td>
<td>4. Small fee required, usually the program is not expensive</td>
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Software Usage

**Freeware**
1. Owner often retains rights
2. Cannot pass around copies
3. Given away free of charge

**Public-Domain Software**
1. Not copyrighted
2. Free to copy and distribute
3. Often educational or government document.
Computer Invaders

- Trojan Horse
- Hacker
Trojan Horse

- Type of virus that gains access to your system disguised as something good

- Virus - purposefully programming destructive code to cause damage
  - Benign - like a cold, but no permanent harm
  - Malignant - like cancer, harmful
• ‘Worm Virus’ - destructive code that bores its way through files, copying itself over and over again

• ‘Bomb Virus’ - destructive code set to go off at a certain time or date, or when a certain action occurs
Hacker

• Person who secretly gains access to others’ computer files without their permission
Virus Protection

- **Virus Disinfectant Program**
  - Gets rid of a virus

- **Anti-Viral Program**
  - Prevents viruses
  - Most expensive