HyperText Markup Language

Sir Tim Berners-Lee

HTML

- 1990 – HTML 1.0
- 1995 - HTML 2.0
- 1997 - HTML 3.2
- 1997-98 - HTML 4.0 (CSS is released)
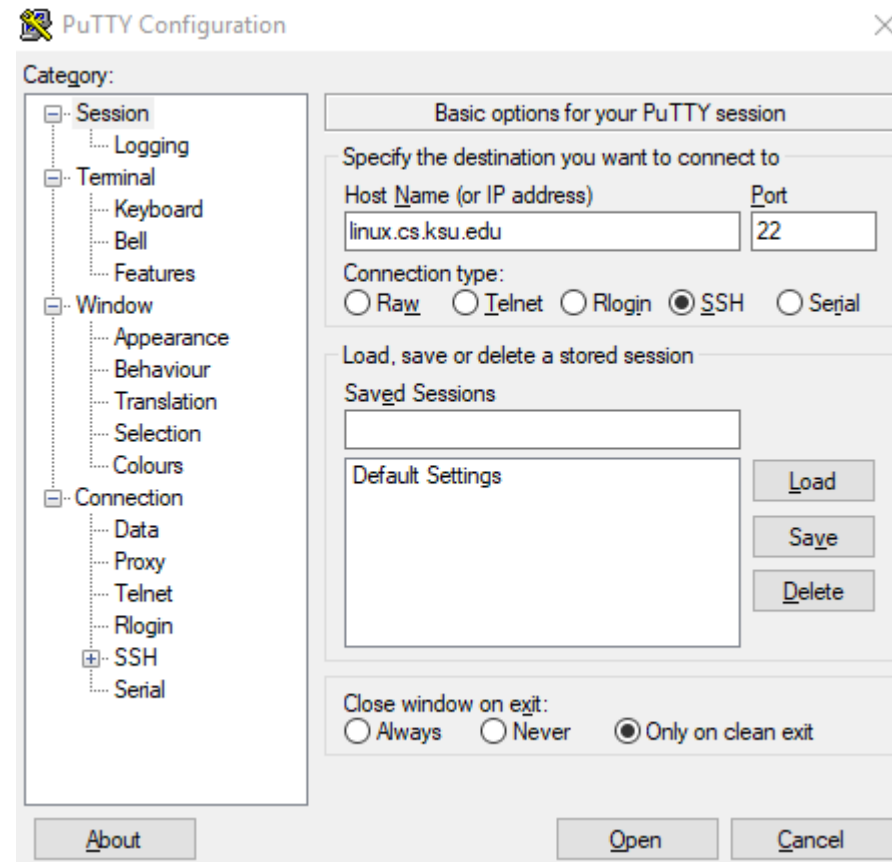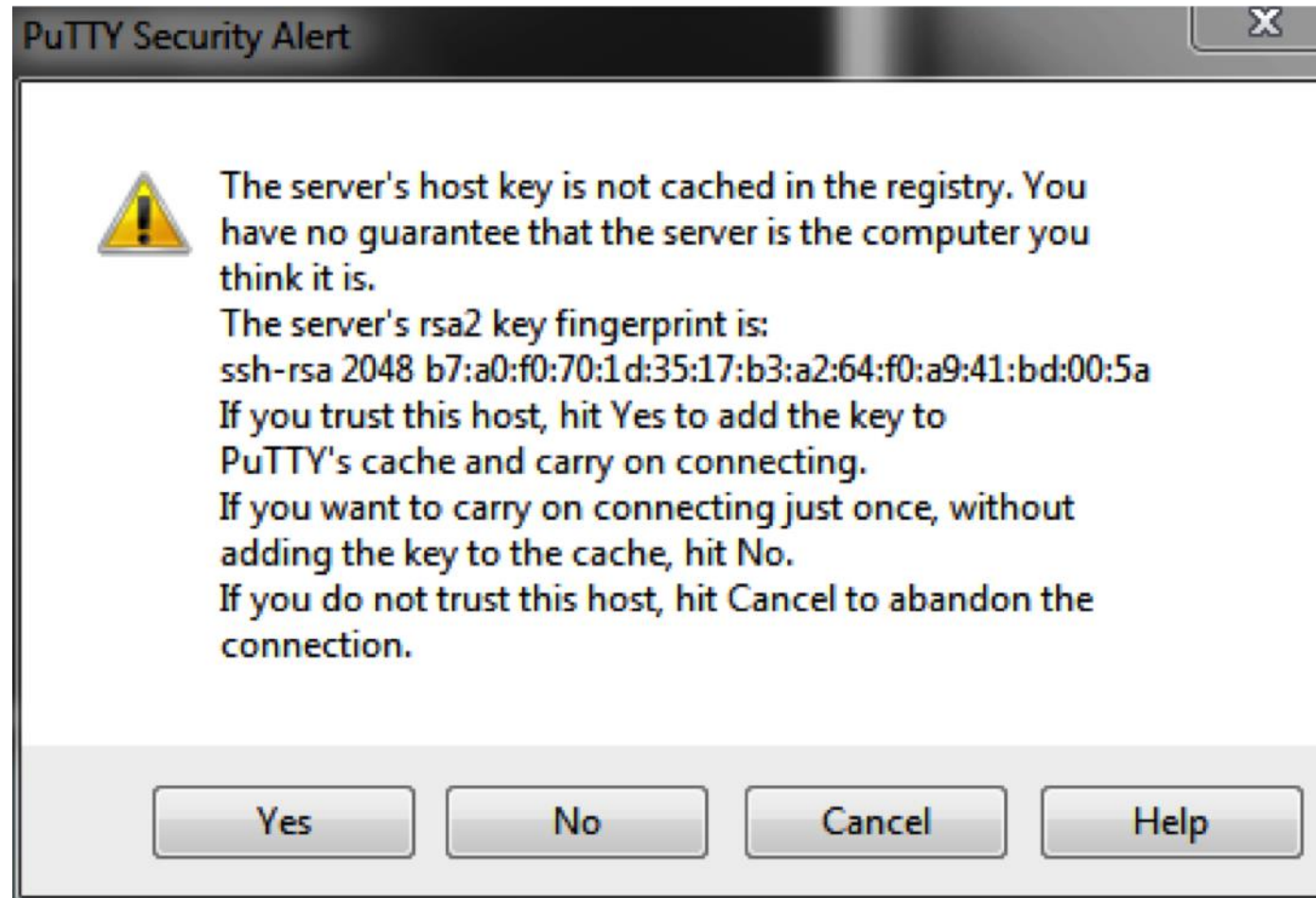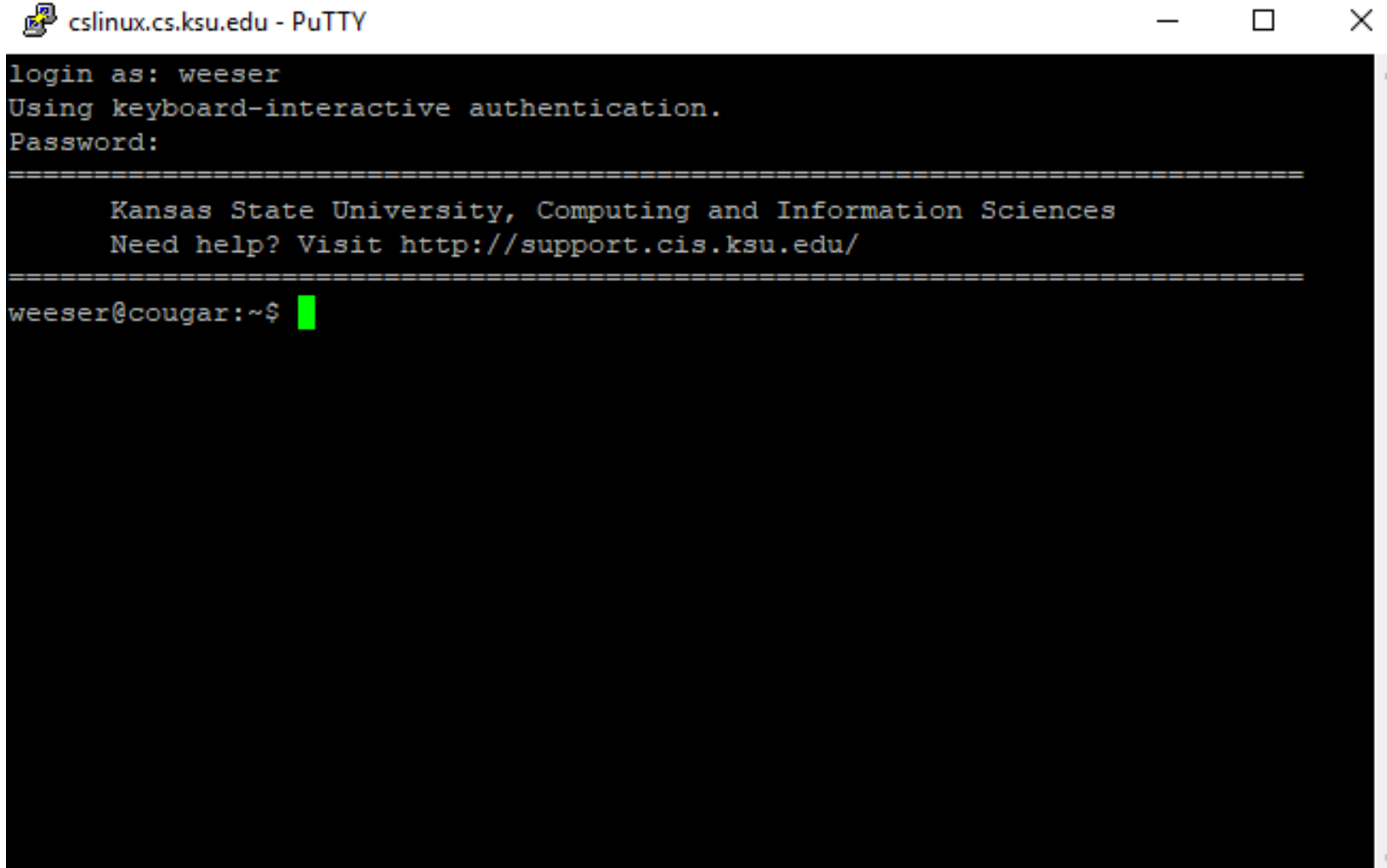- 2000 - HTML 4.01
- 2014 - HTML5

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Image Source: Quora

What about a Webserver?

- http://www.putty.org or MobaXterm
  - Windows users
  - Mac: SSH

- linux.cs.ksu.edu

- Forgot your password? https://password.cs.ksu.edu

Security

Linux Terminal

Mac/Linux Users - Terminal

Applications > Utilities > Terminal

SSH on Terminal

ssh your_eID@linux.cs.ksu.edu

```
[weeser.weeser-PC] ▸ ssh weeser@linux.cs.ksu.edu
Password:
===================================================================
        cougar, Linux 4.15.0-115-generic, Ubuntu 18.04.5 LTS
        Kansas State University, Computer Science Department
        Need help? Visit http://support.cs.ksu.edu
===================================================================
Last login: Mon Sep 14 21:30:04 2020 from
weeser@cougar:~$
```

Simple Linux Commands
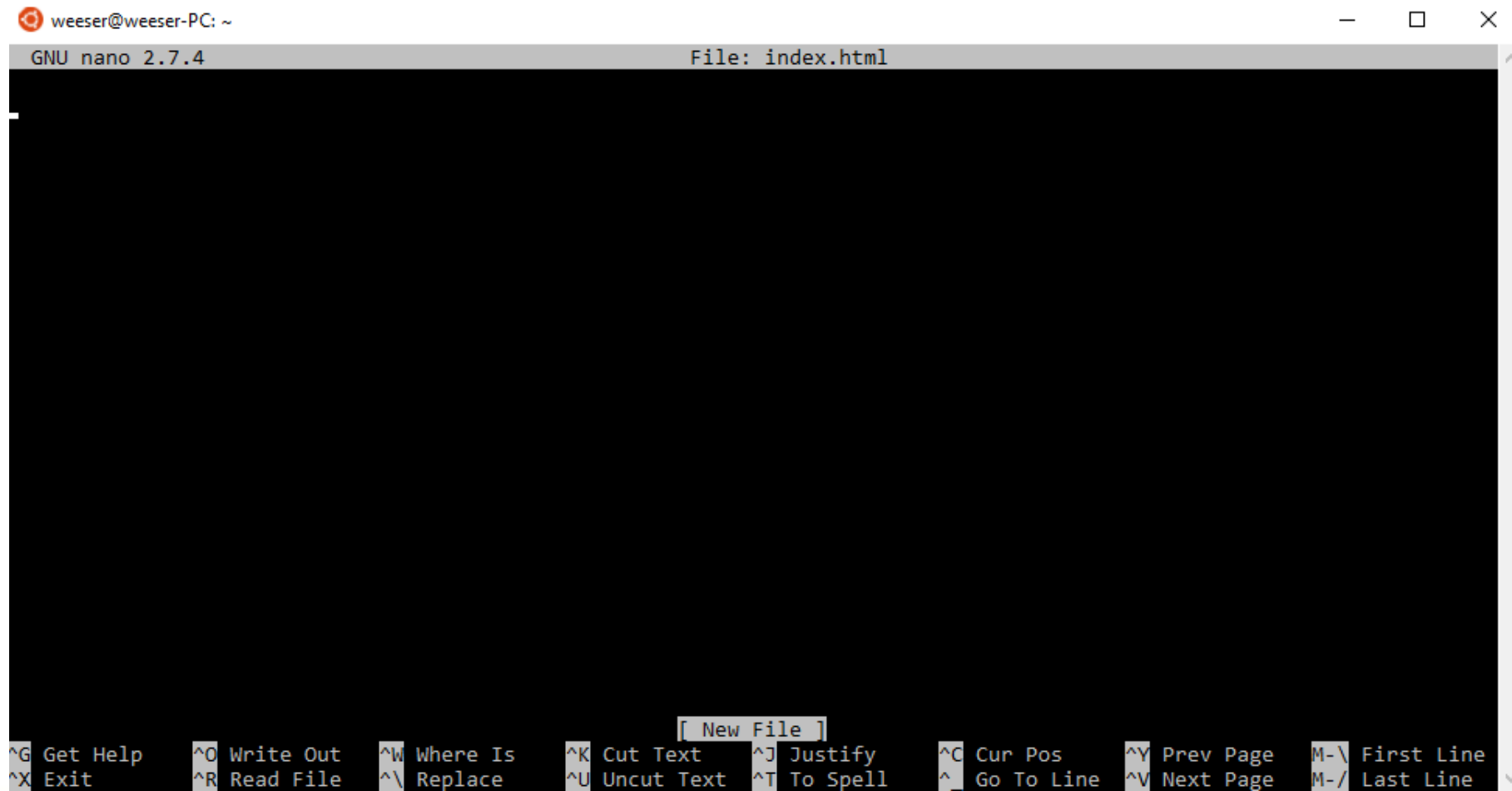
- **pwd** - present working directory
- **cd <dir>** - change directory
- **ls** - list files in a directory
- **mv <src> <dest>** - move files
- **cp <src> <dest>** - copy files
- **rm <file>** - remove file
- **cat <file>** - print file

Editing Files

nano <file>

- **cd** ~
- **mkdir** public_html
- **cd** public_html
- **nano** index.html

Nano Text Editor

Saving in Nano

- Press CTRL + O to save the file

- Press Y or enter to save the changes

- Press ENTER to keep the previous file name
  - Or you can change the name to something else and "Save as"

Visiting your Webpage

http://people.cs.ksu.edu/~your_eID

Problems?

- https://support.cs.ksu.edu/CISDocs/wiki/Personal_Web_Pages
- File Access Permissions:
- chmod 711 ~
- chmod 755 ~/public_html
- chmod 644 ~/public_html/index.html

HTML Tags

- **<html>** - Page content
- **<head>** - Page header (not displayed)
- **<title>** - Site title (top of window)
- **<body>** - Site Content (displayed)

Basic Page

```
<!DOCTYPE html>
<html>
    <head>
        <title>Homepage</title>
    </head>
    <body>
        Hello World!
    </body>
</html>
```

More Tags!

- **<h1>** - Header
- **<p>** - Paragraph
- **
** - Line Break
- **<a>** - Anchor (link)
- **<ol>** - Ordered (numbered) list
- **<ul>** - Unordered (bulleted) list
- **<li>** - List item

Lists

```
<ol>
  <li>Item 1</li>
  <li>Item 2</li>
  <li>Item 3</li>
</ol>
```

```
<ul>
  <li>Item 1</li>
  <li>Item 2</li>
  <li>Item 3</li>
</ul>
```

Clickable Links

Click me

Cascading Style Sheets

- Add a little style to your site

- Change
  - Fonts
  - Colors
  - Styles
  - and layout of any HTML element

Adding CSS

- Add the following to your page header
- <link rel="stylesheet" href="fancy.css" type="text/css" />

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