

Computational Physics

HTML or “How to create a website”

01/08/2009

Outline

- 1 Start Your VNC Session
- 2 Homework Assignment
- 3 Text Editing
- 4 Project 1 - Unix Assignment
- 5 Web Page Design
 - Comphy Website
 - A Basic HTML Document
 - HTML Body Language

Start Your VNC Session

Connect to `comphy.fsu.edu:#:`
 (“#” is your vnc port number)

Problems?

- ssh into comphy and check your vncserver
 - If the vncserver is up and running there should be a file called `~/.vnc/comphy.fsu.edu:#.pid`
- On comphy, run the command
“`ps -aux | grep vnc`”
and look for your user name
(or type “`ps aux | grep vnc | grep <username>`”)

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Homework Assignment

1 Read Chapter 3 & 4 !!

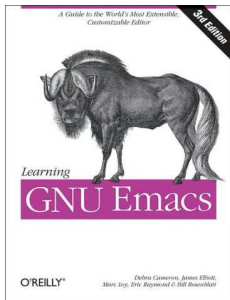
- *Introduction to computer and software architecture*
- *Fundamental C++ Concepts*

2 Assignments of Chapters 3 & 4

- [See handout!](#)
- Due Thursday, January 20

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Text Editing

Emacs:

One of the most widely used editors

```
s@gluon.physics.fsu.edu
Help
> [Icons] ?
eval *tv, struct timezone *tz);

struct timeval *tv;
struct timezone *tz;
long msec0, msec1;
long sec0, sec1 ;

float x=1.0;

gettimeofday(tv, tz);
sec0 = tv->tv_sec;
msec0 =tv->tv_usec;

cerr<< "it was "<< sec0<<" secs "<<msec0<<" msecs "<<endl;
for(int i=0;i<10e6;i++)
  x *=1.4123;

gettimeofday(tv, tz);
sec1 = tv->tv_sec;
msec1 =tv->tv_usec;
cerr<< "it is "<< sec1<<" secs "<<msec1<<" msecs "<<endl;

long delta_sec = msec1-msec0>0?sec1 -sec0:sec1 -sec0 -1;
long delta_usec = msec1-msec0>0?msec1 -msec0:1000000 -msec0 +msec1;
double perf = 10e6/(double(delta_sec) + double(delta_usec)*10e-6);

cerr<<"10e6 double multiplications in "<< delta_sec<<" secs "
  <<delta_usec<<" msec\n";
mytime.cc (C++ Abbrev)--L1--Top
Loading cc-mode... done
```

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Project 1 - Unix Assignment

- 1 Create comphys/ directory, ...
- 2 Place a copy of your “~/.cshrc” file in ...
- 3 Place a file containing differences ...
- 4 Create a “tar” archive file ...
- 5 Create a shell script to automate the execution of the commands in part 1.
- 6 Changing permissions using `chmod`

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Comphy Website

On comphy:

```
/export/home/<username>/public_html/index.html
```

On the web

```
http://comphy.fsu.edu/~<username>
```

Web subdirectories are relative to `public_html/` directory.

Example: project page

- On comphy:

```
~/public_html/proj-0/index.html
```

- On the web:

```
http://comphy.fsu.edu/~<username>/proj-0/
```

A Basic HTML Document

```
<HTML>
```

```
<HEAD> <TITLE>
```

Title will appear in the title bar of
the web browser </TITLE>

```
<!-- This is a comment -->
```

```
</HEAD>
```

```
<BODY bgcolor="green">
```

Body elements will appear here. They
can be text, pictures, links, etc.

```
</BODY>
```

```
</HTML>
```

HTML Body Language

```
<body bgcolor="yellow">
```

```
<h1>This is a heading one</h1>
```

```
<h2>This is a heading two</h2>
```

```
<h3>This is a heading three</h3>
```

```
<p><b>This text is bold</b>
```

```
This text is not</p>
```

Here is a bulleted list

```
<ul>
```

```
<li> item 1
```

```
<li> item 2
```

```
</ul><hr>
```

```
Here is a link <a href="http://www.fsu.edu">
```

```
Link Text</a><br>
```

Images

```

```

```
<hr align="left">
```

```
<address>
```

```
<b>Volker Crede</b>
```

```
<a href="mailto:crede@fsu.edu">
```

```
crede@fsu.edu</a><br>
```

```
<em>Florida State University</em></address>
```

```
</body>
```

This is a heading one

This is a heading two

This is a heading three

This text is bold This text is not

Here is a bulleted list

- ◆ item 1
- ◆ item 2

Here is a link " Link Text



Images

Volker Crede crede@fsu.edu,
Florida State University