

CS 241

Section Week #1

August 25, 2011

Topics This Section

- SVN (...by the command line!)
- HW #1 Overview
 - Due **six days** from now (Wed, Aug 31st)
 - Due at **11:00am** on **SVN (NOT IN CLASS)**
 - **No late submissions!**
- Code Examples

svn

- Each week, there will be files we provide for us to use in section.
- Create a directory in your space to checkout svn:

```
mkdir cs241  
cd cs241
```

svn

- To create a local “working copy” of the SVN, you need to run an **svn checkout** command:

svn checkout <https://subversion.ews.illinois.edu/svn/fa11-cs241/>

(Link on the course website for you to copy and paste)

svn

- Make sure your checkout worked:

```
$ ls
```

```
netid
```

```
$ cd netid
```

```
$ ls
```

```
ds hw1
```

```
$ cd ds
```

```
$ ls
```

```
ds1
```

```
$ cd ds1
```

```
$ ls
```

```
1.c 2.c 3.c 4.c 5.c
```

svn

- You only need to checkout files once!
- From now on, you can get the latest changes from the server by running an **svn update**.

svn up
svn update

svn

- When you've got something working, you will want to commit the changes you made back to the server with an **svn commit**:

```
svn ci -m ""  
svn commit -m "some message"
```

svn

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```
svn ci -m ""  
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```

**We will grade your latest committed
version of each MP!**

svn

- Often, you will only need to modify the files we provide to you on the svn. However, you will occasionally need to add a new file to your svn with **svn add**:

svn add FILENAME

svn

- Lets add a file, and verify we added it:
(You should probably be in your ds1 directory for this.)

```
cat "Hello World" >hello.txt
```

```
svn add hello.txt
```

```
svn ci -m "First SVN commit!"
```

svn

- Finally, what time did you make the submission? Did you make it in on time?

`svn log hello.txt`

```
-----  
r3866 | netid | 2011-22-08 22:07:59 -0600 (Mon, 22 Aug 2011) | 1 line
```

```
First SVN commit!  
-----
```

Homework #1

- Two parts:
 - **[Part 1]**: 16 questions on finding a problem with a provided snippet of code
 - **[Part 2]**: 2 questions on using binary and bit-level operators to accomplish a task

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Discussion Section Practice

- Five different files, each having code snippets similar to HW1.
 - **In your svn: ds/ds1/**
 - **1.c, 2.c, 3.c, 4.c, 5.c**
 - **To compile:** **gcc 1.c**
 - **To run:** **./a.out**