

CS 241
Section Week #1

January 26, 2011

Topics This Section

- HW #1
- SVN Review (...by the command line!)
- C Code Examples

Piazza

Work as a team (staff and students) to offer help

Search for existing answer before asking question

Improve the answer rather than following up

Homework #1

- Easy?

Homework #1

- ```
void Problem15(){
 int x;
 ...
 if(x < 0){
 printf("invalid value.\n");
 exit;
 }
}
```

# Homework #1

- ```
void Problem15(){  
    int x;  
    ...  
    if(x < 0){  
        printf("invalid value.\n");  
        exit;  
    }  
}
```

Homework #1

- Problem #19

```
long int clear_bit(long int value, long int flag){
```

```
}
```

Homework #1

- Problem #20

```
long int is_equal(long int x, long int y){  
  
}
```


svn

- Each week, there will be files we provide for us to use in section.

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/sp12-cs241/NETID cs241 (Link on the course website for you to copy and paste)
```

svn

- Make sure your checkout worked:

```
$ cd cs241
```

```
$ 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

- 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"
```

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

- 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!
```

svn

- Oh no! Your latest changes breaks everything!

`svn revert hello.txt`

OR

`svn up -r ## hello.txt`

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**