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){

}

}
• Each week, there will be files we provide for us to use in section.
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!
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
```
• 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!"
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