

Set-Up Submit for CS 2300

1. We will use the Linux system to type-in Java programs, run Java programs, and submit Java programs. You may use the Windows system to enter and run your Java programs. I will not discuss this much in class since it may cause confusion. However, you should make sure that your programs work on our Linux system. And you will need to transfer the Java programs from your Windows system to our Linux system using WinSCP to cs.ucmo.edu.
2. When you login to the Linux system for the first time, you enter your Windows username (xyz67890) and password, where xyz are the first, middle and last initials of your name and 6789 are the last four digits of your 700 id number.
3. You are encouraged to create a directory (folder) named cs2300 so that you can keep all related work in the directory. To create such a directory, on the command line, you type and then enter:

mkdir cs2300

4. To keep others from looking at or copying your files, enter
chmod 700 cs2300

We will learn more about this later.

5. To work under the cs2300 directory, on the command line, type and enter this command:

cd cs2300

Every time you do cs2300 assignments, always come to this directory first.

6. You are to create a link in order to submit your assignments to your instructor. Type and enter

ln -s ~cnc8851/cs2300/submit2300 submit2300

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7. If you are off-campus, you need to use SSH (type putty from the run command) to access our server (cs.ucmo.edu). If you are on-campus, you can use SSH or Remote Desktop (type mstsc from the run command) to access our server. Using SSH or Remote Desktop you can use vi to edit files. If you are using Remote Desktop you can use gedit. It doesn't matter what editor you use to type in your programs. Let's try to edit a file named bio.txt. Type and enter:

```
vi bio.txt
```

NAME: (First Middle Last)

700NO:

MAJOR:

HOMETOWN:

FAVORITE HOBBIES OR ACTIVITIES:

Now we will try to submit the file as our assignment number 0 to your instructor by entering:

```
bash submit2300
```

When asked for assignment number, enter a0. When asked for the file, enter bio.txt. Look at the screen to check whether you have successfully submitted your file.

8. Now, let's write a short Java program called HelloWorld.java. Make sure you are in your cs2300 directory. Here is the program.

```
public class HelloWorld {  
    public static void main(String[] args) {  
        System.out.println("Hello, World");  
    }  
}
```

Type in the program using your favorite editor and save the program. Now try to compile it by entering

```
javac HelloWorld.java
```

Then run the program by entering

```
java HelloWorld
```

9. To submit the program, type bash submit2300, a1, HelloWorld.java, and q.

10. There is a useful CS Student Handbook online:

<http://www.math-cs.ucmo.edu/~hchen/courses/cshandbook>

On the very last page, there are many useful Linux commands.