

Program Submission Instructions

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In this class, we'll expect you to electronically submit your source code for grading. The department supplies the `turnin` utility program for this purpose.

Using the `turnin` Utility Program

1. Find out from your instructor/TA/section leader the name of the directory into which you are to be submitting your files. This will usually be given on the assignment handout.
2. Log into your CS account on `lectura.cs.arizona.edu` using a terminal program that supports the SSH protocol. Such software is freely available from the UA's site-licensed software page: <http://softwarelicense.arizona.edu/> All publicly-accessible campus computers, as well as those in our labs, have such software already installed.
3. `cd` into your directory on `lectura` containing the files that you wish to submit.
4. Submit your files with `turnin` by issuing a command of this form:

```
turnin <submission directory name> <filename1> <filename2> ... <filenameN>
```

For example, if the assignment's submission directory is `cs999h4` and you wish to submit the two files `Prog1.java` and `MyClass.java`:

```
turnin cs999h4 Prog1.java MyClass.java
```

You will see an acknowledgment from `turnin` that lets you know that your submission was carried out successfully. If you wish to check that all of your files were submitted, ask `turnin` to show the names of the files:

```
turnin -ls cs999h4
```

Note that you may resubmit files; the new versions will replace the old.

`turnin` has other options; on `lectura`, type `turnin -h` or `man turnin` to learn what they are.

Getting Files to `lectura` From a Networked PC

Need to get your files to `lectura` before running `turnin`? To transfer files from your PC to `lectura`, you have to be on-line and you must have a file transfer program that supports the SFTP protocol. Such software is freely available from the UA's site-licensed software page: <http://softwarelicense.arizona.edu/>

1. Launch the file transfer software and use it to connect to `lectura.cs.arizona.edu`.
2. You will be prompted for your `lectura` account password. Type it in. (If this is your first connection to `lectura`, you may get a window with a bunch of verbiage about adding a key to a database. Agree, and you should get the password prompt.)
3. The connection should now be established. Exactly how to perform the transfer depends on the program you installed. Typically, you are presented with a window that looks like two file browsers, one for `lectura`, and one for your PC. Browse to the correct directories on each system. Copying a file can probably be accomplished with a drag-and-drop action.
4. With the file(s) copied to your account on `lectura`, you can now use your terminal emulation software (again, suitable programs are available for free from the UA software page) to log into your account on `lectura` and run the above `turnin` commands.

Additional information on these actions is available from the Computer Science Department's FAQ Knowledgebase at <http://faq.cs.arizona.edu/>. The help pages for the terminal and file transfer programs are also useful.