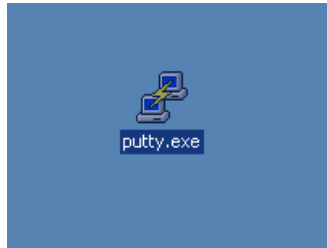


Using cse.unl.edu

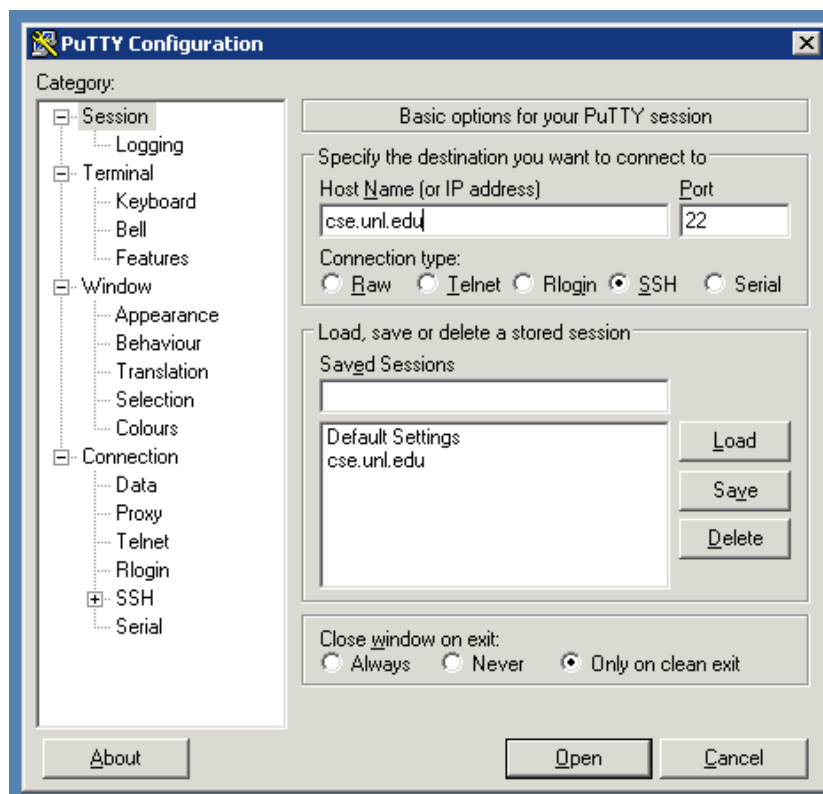
by Ross Nelson <rnelson@cse.unl.edu>

Connecting

- Windows
 - Download the latest version of PuTTY from <http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>



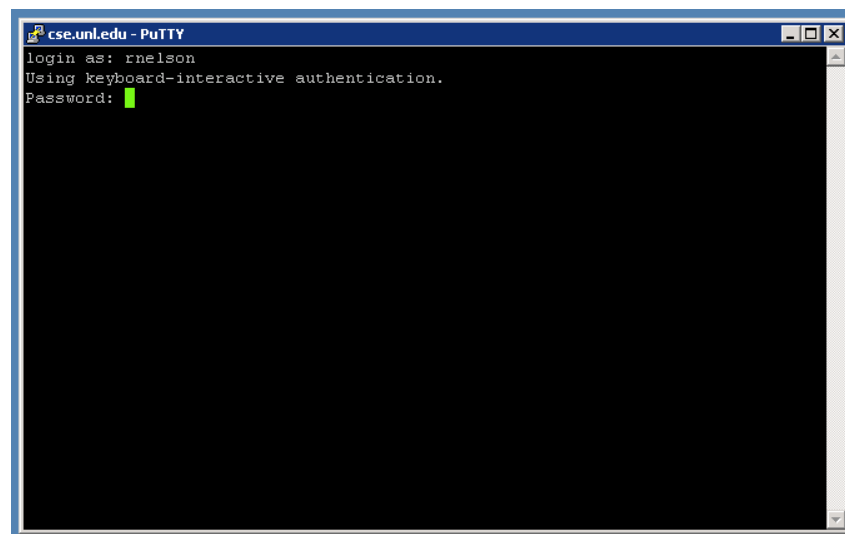
- Enter `cse.unl.edu` for the host name and press enter



- If prompted about the server's key, click Yes.



- Type in your username, press enter, type in your password, and press enter again

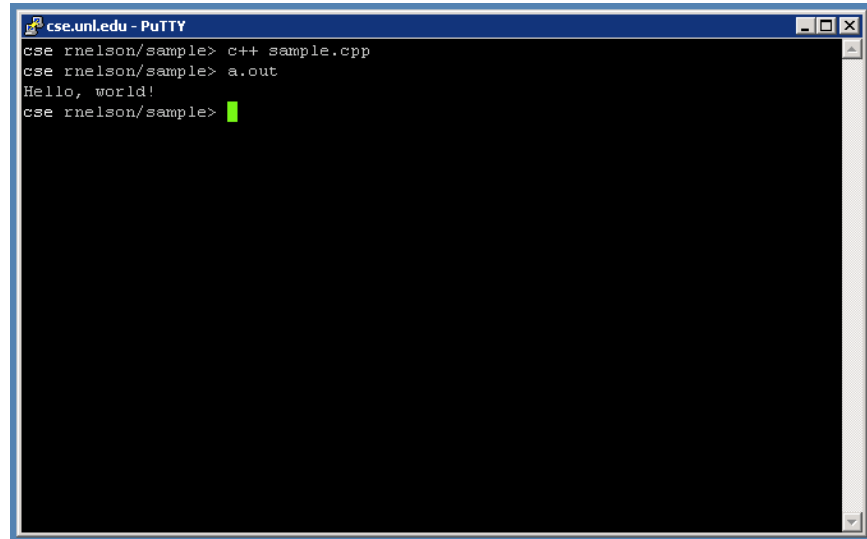


- Mac OS X, Linux, UNIX
 - Open a terminal emulator
 - For OS X, Terminal is in the Utilities folder in Applications
 - For Linux and other types of UNIX, you will often find an emulator in Accessories, System, or Utilities in your main menu. Check the appropriate manuals if you can't find one
 - Connect to the server
 - Run the following command to connect
 - `ssh cse.unl.edu -lusername`

- Replace *username* with your username
- Enter your password and press enter

Compiling and running software

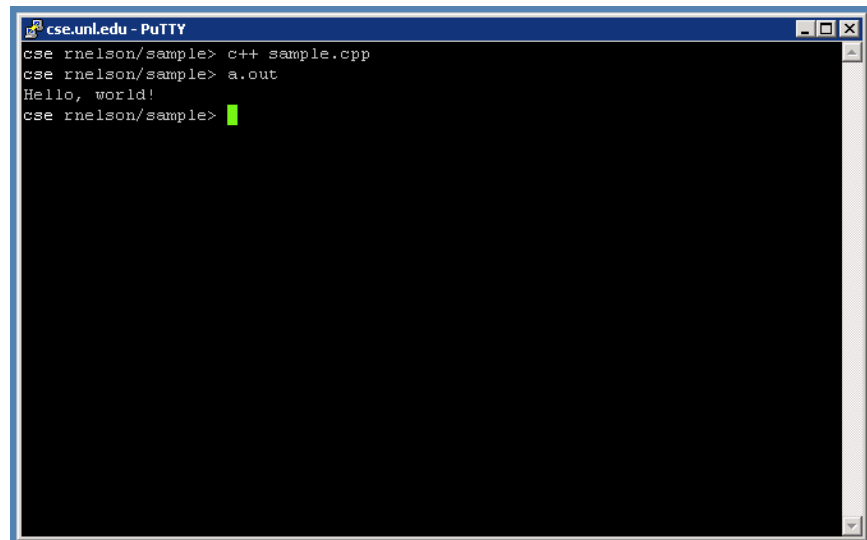
- Compiling
 - C
 - `cc file.c`



A screenshot of a terminal window titled "cse.unl.edu - PuTTY". The terminal shows the following commands and output:

```
cse rnelson/sample> c++ sample.cpp
cse rnelson/sample> a.out
Hello, world!
cse rnelson/sample> 
```

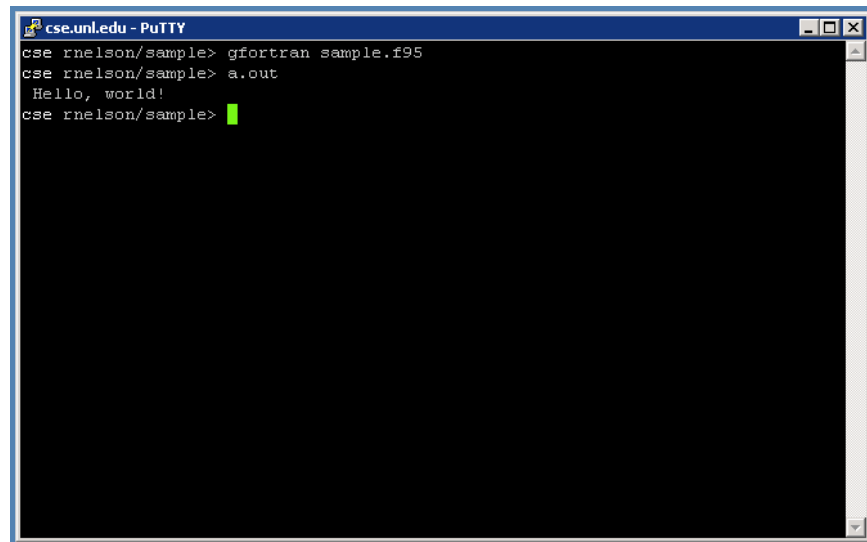
- C++
 - `c++ file.c`



A screenshot of a terminal window titled "cse.unl.edu - PuTTY". The terminal shows the following commands and output:

```
cse rnelson/sample> c++ sample.cpp
cse rnelson/sample> a.out
Hello, world!
cse rnelson/sample> 
```

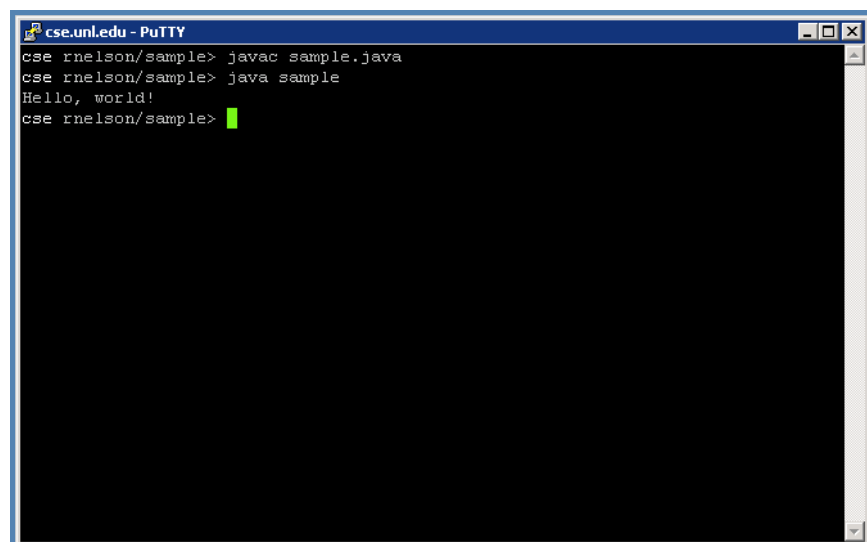
- Fortran 95
 - gfortran file.f95



```
cse.unl.edu - PuTTY
cse rnelson/sample> gfortran sample.f95
cse rnelson/sample> a.out
Hello, world!
cse rnelson/sample> █
```

A terminal window titled "cse.unl.edu - PuTTY" showing the execution of Fortran 95 code. The user enters "gfortran sample.f95" to compile the file, then "a.out" to run the resulting executable. The output "Hello, world!" is displayed, and a green cursor is visible on the next line.

- Java
 - javac file.java



```
cse.unl.edu - PuTTY
cse rnelson/sample> javac sample.java
cse rnelson/sample> java sample
Hello, world!
cse rnelson/sample> █
```

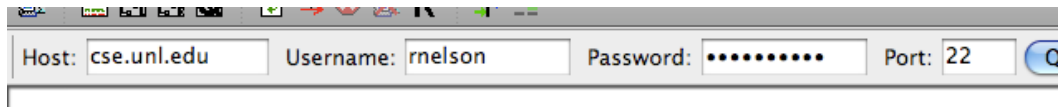
A terminal window titled "cse.unl.edu - PuTTY" showing the execution of Java code. The user enters "javac sample.java" to compile the file, then "java sample" to run the resulting class. The output "Hello, world!" is displayed, and a green cursor is visible on the next line.

- Running
 - C, C++, Fortran
 - By default, the program is saved as a.out
 - Simply run a.out
 - Java

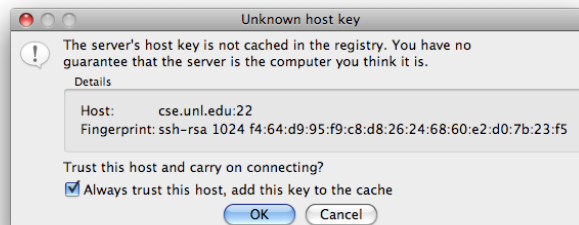
- When you compile a Java file, a class file is made with the same base name; example:
 - `sample.java => sample.class`
- Run the java program with the base name as your only argument; example:
 - `java sample`

Transferring files

- Download the latest version of FileZilla Client from <http://filezilla-project.org/>
- Enter the connection information
 - Host: `cse.unl.edu`
 - Username: *your cse login*
 - Password: *your cse login*
 - Port: 22



- If asked about the server key, check the *Always trust this host* check box and click OK



- After connecting, you will see your local files on the left and remote files (your Z: drive) on the right. Simply drag files back and forth between the two lists to

transfer them

