

How to use LaTeX

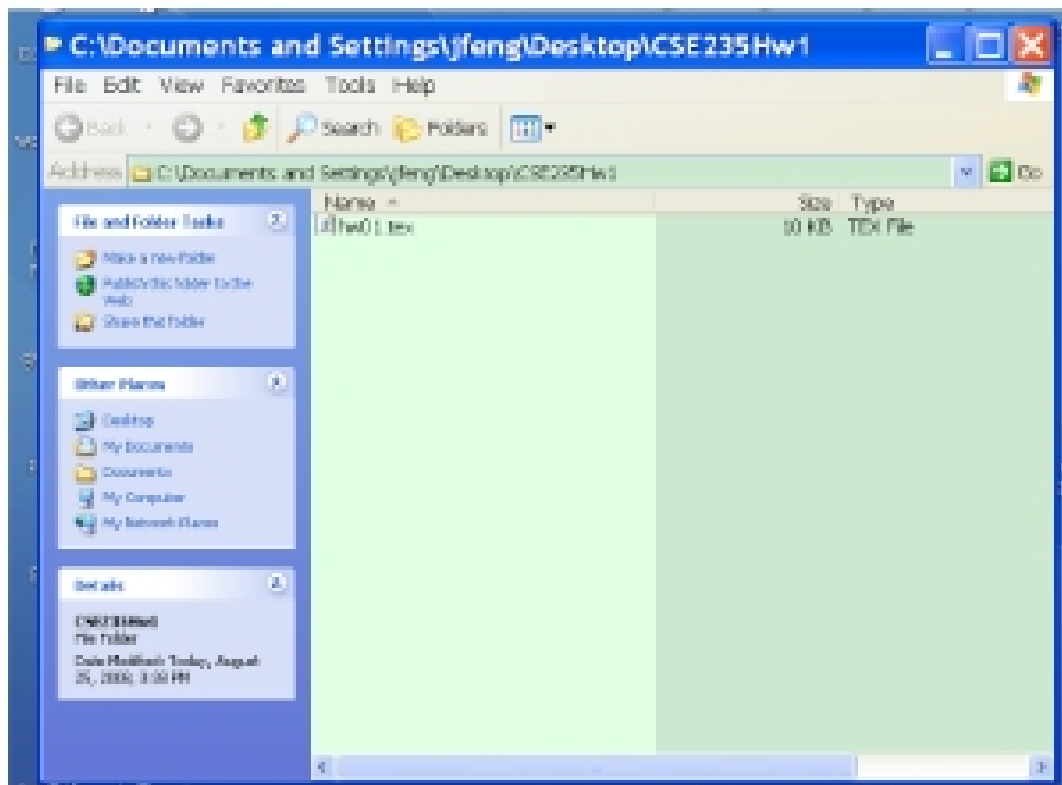
CSCE 235 Introductions to Discrete Structure
Jie Feng
jfeng@cse.unl.edu

In this document, we explain how to use LaTeX to edit your homework on CSE computers.

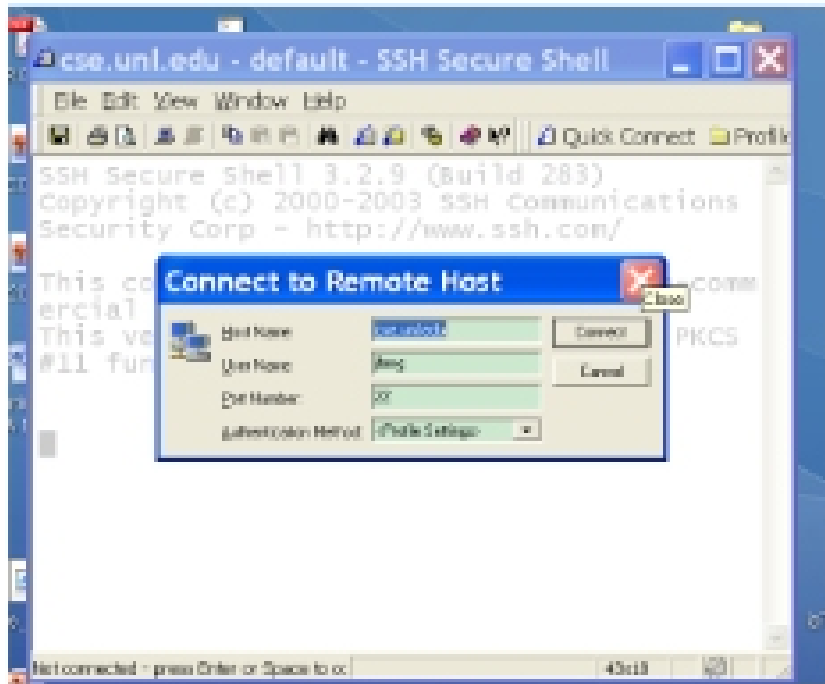
First of all, the GTA will provide you a 'F08-hw-example.tex' file. This file is a template for homework that you want to customize for each homework, if you choose to submit them in LaTeX. You can save it as 'hw01.tex' to include the questions of and your answers to homework 1.

The detailed steps are as follows.

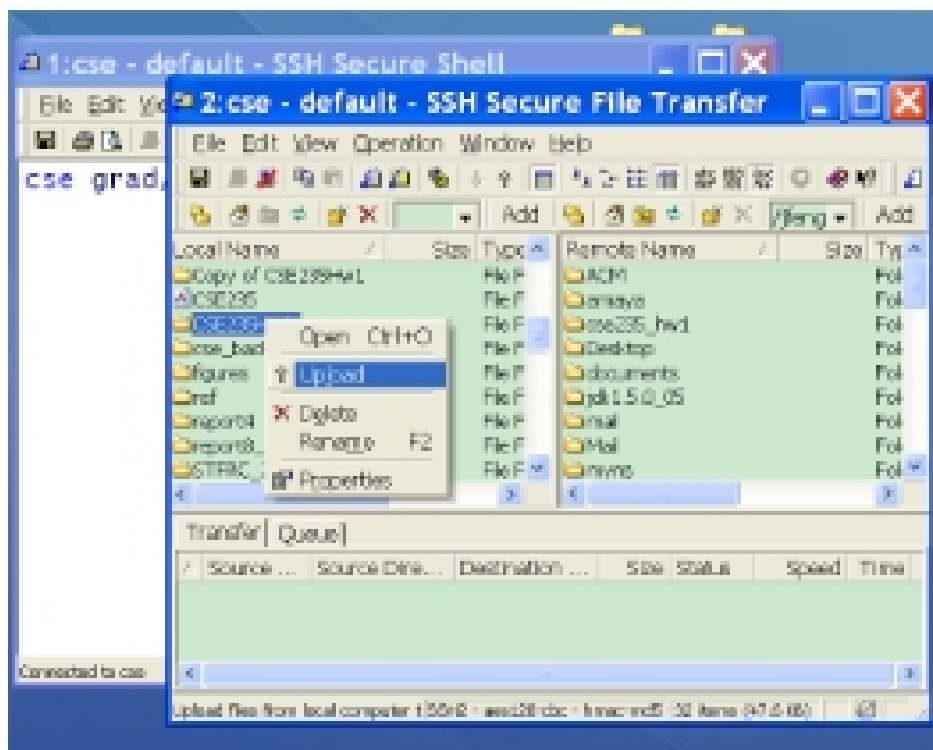
- 1) Create a folder called "CSE235Hw1" and put the file 'hw01.tex' in this folder.



- 2) Use 'SSH Secure Shell Client' to connect to the CSE server:



3) Upload the folder “CSE235Hw1” to the server by using ssh client:



4) To fully compile and link the cross-references on, please go to the directory ‘CSE235Hw1’, and repeat some commands as follows.

```

latex hw01
bibtex hw01
latex hw01
latex hw01
dvi2pdf hw01.dvi hw01.pdf

```

Alternatively, you can do:

```
pdflatex hw01
```

Please also refer to the next figure [1].

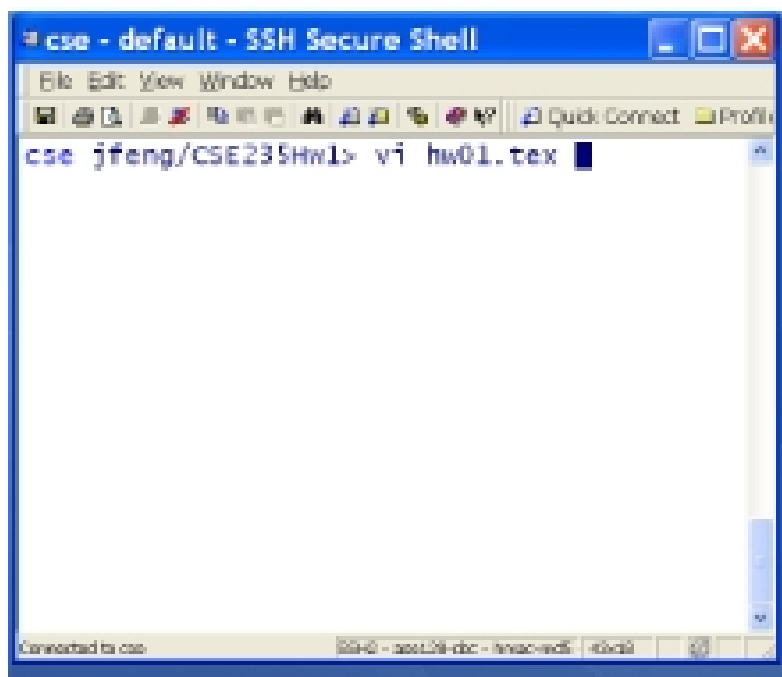
Compiling the document and bibliography

To fully compile and cross-link references one must repeat some commands:

step #	to create file <i>mydocument.dvi</i> :	to create file <i>mydocument.pdf</i> :	result of command:
1	latex mydocument	pdflatex mydocument	creates .aux file which includes keywords of any citations
2	bibtex mydocument	bibtex mydocument	uses the .aux file to extract cited publications from the database in the .bib file, formats them according to the indicated style, and puts the results into a .bbl file
3	latex mydocument	pdflatex mydocument	inserts appropriate reference indicators at each point of citation, according to the indicated bibliography style
4	latex mydocument	pdflatex mydocument	refines citation references and other cross-references, page formatting and page numbers

5) You will see a file called 'hw01.pdf' added to your directory. This is the file that you need to hand in.

6) Edit your homework. You can use "vi", "vim" or any other editor to edit your file. Here, we use "vi" as an example. Go to the directory "CSE235Hw1", and type "vi hw01.tex"



```
cse - default - SSH Secure Shell
File Edit View Window Help
Quick Connect Profile
cse jfeng/CSE235Hw1> vi hw01.tex
Connected to cse  SSH - ssh://csc - linux-vedl - 46329
```

Edit your solution after a problem.