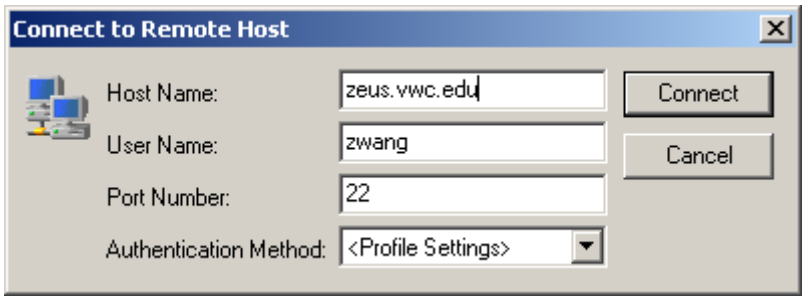
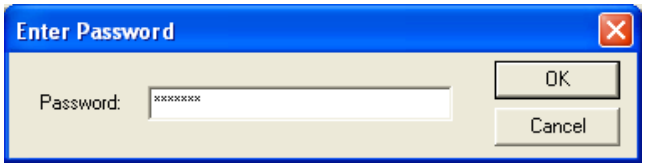
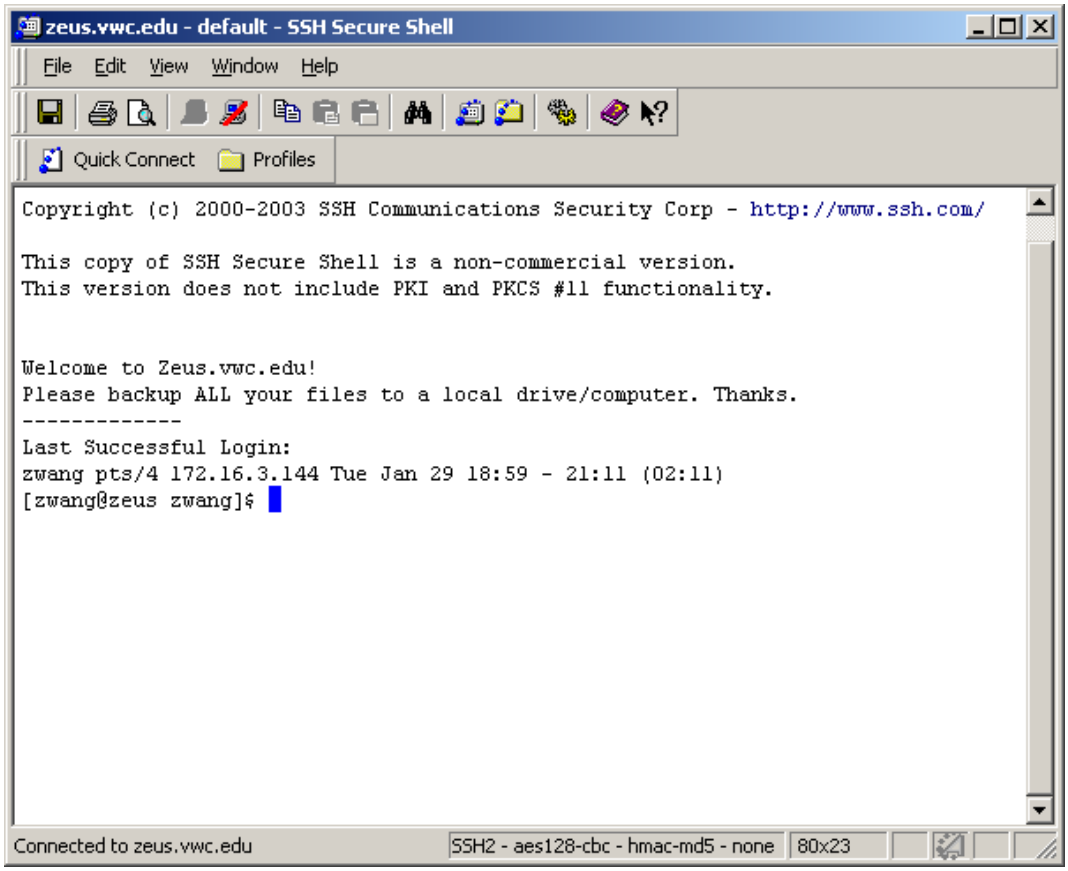
Using VI for Java Coding

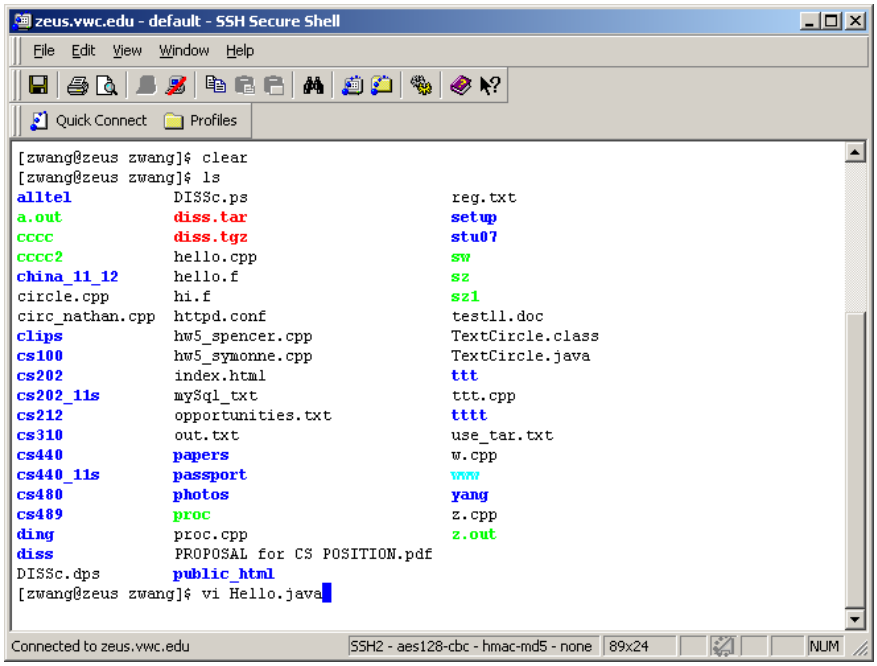
1. Login to *zeus.vwc.edu* server.



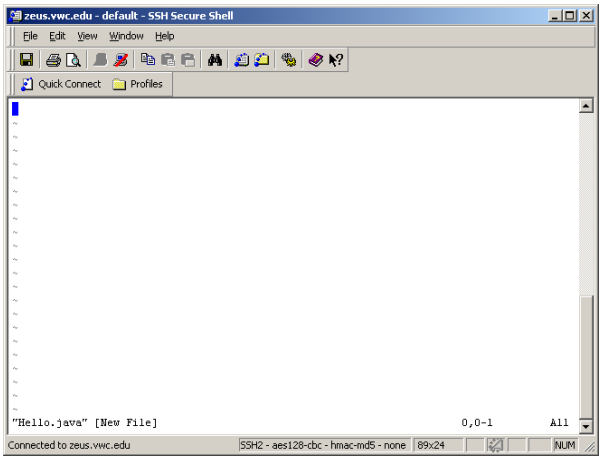




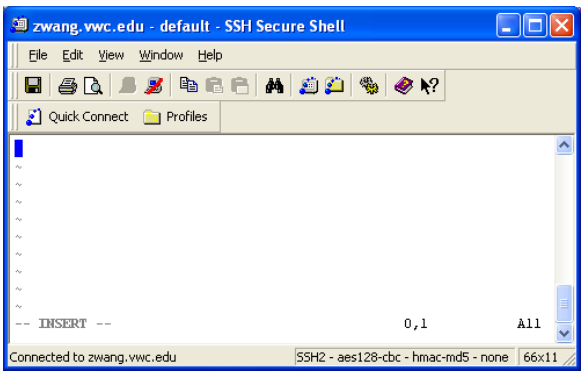
2. Use *clear* to clear the screen; use *ls* to list the files in your home directory.



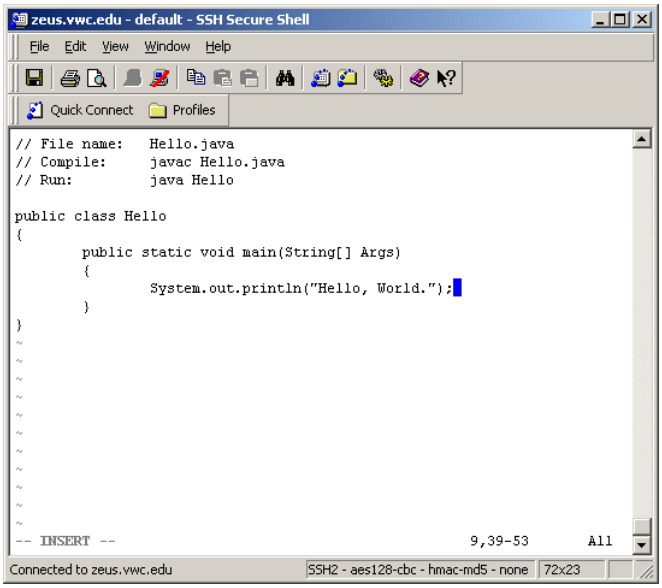
3. Type *vi Hello.java* to edit the program.



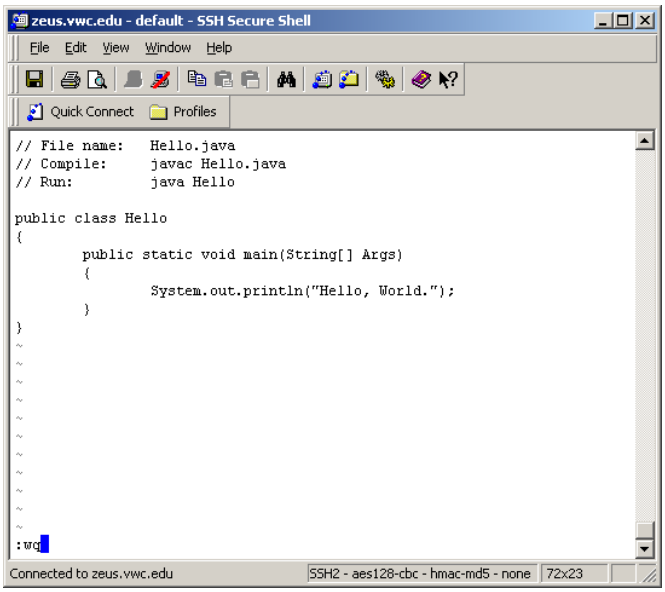
4. In VI, there are two modes: control (default mode) and edit (showing - - insert - - in the lower-left part of the screen). Press *i* (*insert*) to switch to the *edit* mode.



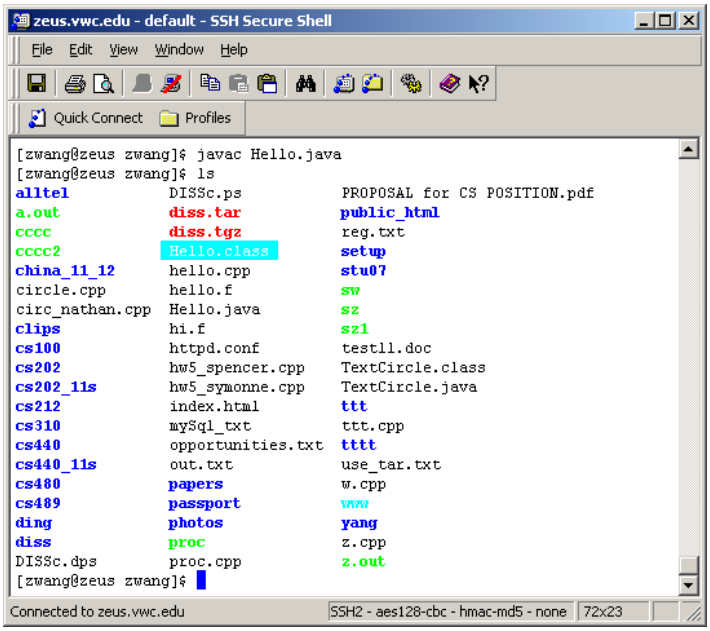
5. In the edit mode, type in the whole program. Use *Backspace* to erase the mistyped letters.



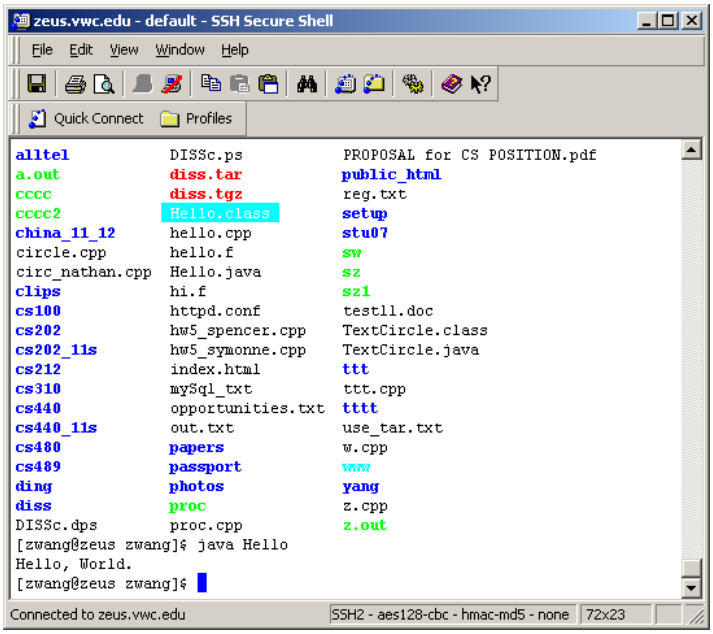
6. Press *Esc* button to switch back to the control mode. Type: *w* to save the program; or type :*wq* to save the code and quit the VI. Type :*q!* If you want to quit the VI, and don't want to save the code.



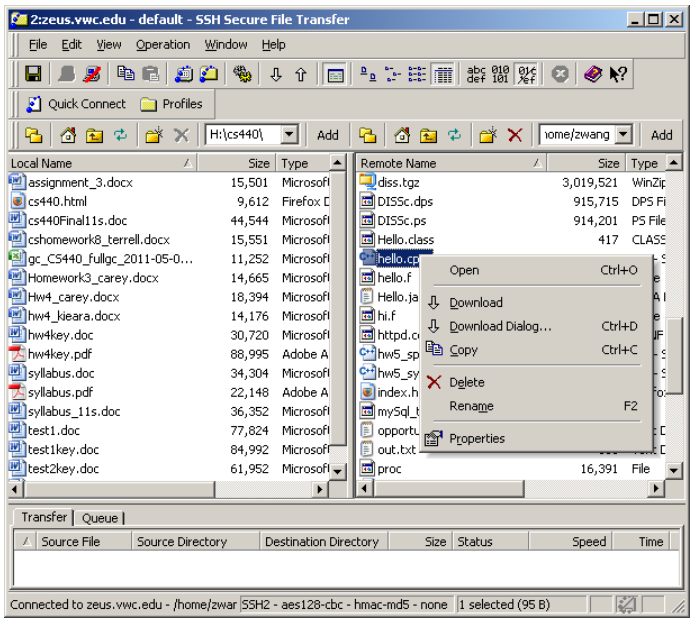
7. To compile the program (convert the code to binary code that can be executed by JVM, Java virtual machine) , type *javac Hello.java* and the binary file named *Hello.class* is created. Type *ls* to check the new file should be existed in the current directory.



8. To run the code, type *java Hello* and the result should be displayed if there is the output statement.



9. To download the code to your local computer, use *SSH File transfer Client*. You may also edit the program by using *NotePad* in the Windows OS, and then upload the code from your local machine to the Linux server.


2:zeus.vwc.edu - default - SSH Secure File Transfer
File Edit View Operation Window Help
Quick Connect
Profiles
H:\cs440\
Add
/home/zwang
Add
Local Name
Size
Type
assignment_3.docx 15,501 Microsoft
cs440.html 9,612 Firefox D
cs440Final11s.doc 44,544 Microsoft
cshomework8_terrell.docx 15,551 Microsoft
gc_CS440_fullgc_2011-05-0... 11,252 Microsoft
Homework3_carey.docx 14,665 Microsoft
Hw4_carey.docx 18,394 Microsoft
hw4_kieara.docx 14,176 Microsoft
hw4key.doc 30,720 Microsoft
hw4key.pdf 88,995 Adobe A
syllabus.doc 34,304 Microsoft
syllabus.pdf 22,148 Adobe A
syllabus_11s.doc 36,352 Microsoft
test1.doc 77,824 Microsoft
test1key.doc 84,992 Microsoft
test2key.doc 61,952 Microsoft
Remote Name
Size
Type
diss.tgz 3,019,521 WinZip
DISSc.dps 915,715 DPS Fi
DISSc.ps 914,201 PS File
Hello.class 417 CLASS
hello.cp
hello.f
Hello.ja
hi.f
httpd.c
hw5_sp
hw5_sy
index.h
mySql_t
opportu
out.txt
proc 16,391 File
Open Ctrl+O
Download
Download Dialog... Ctrl+D
Copy Ctrl+C
Delete
Rename F2
Properties
Transfer
Queue
Source File
Source Directory
Destination Directory
Size
Status
Speed
Time
Connected to zeus.vwc.edu - /home/zwar
SSH2 - aes128-cbc - hmac-md5 - none
1 selected (95 B)