Using VI for Java Coding

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

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	Enter Password Password: xxxxxxx		OK DK Cancel	
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2. Use *clear* to clear the screen; use *ls* to list the files in your home directory.

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[zwang@zeus zwan	g]\$ ls			
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circle.cpp	hi.f	sz1		
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cs202_11s	mySql_txt	ttt.cpp		
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CS310	out.txt	use_tar.txt		
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[zwang@zeus zwang]\$ vi Hello.java				
Connected to zeus.vwc.	edu SSH2 - aes128	3-cbc - hmac-md5 - none 89x24		

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

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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.

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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.

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// File name: Hello.java		
// Compile: javac Hello.java		
// Run: java Heilo		
public class Hello		
(
public static void main(S)	tring[] Args)	
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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.

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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.

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