Why?	What?	How?
To protect our real computer from being	QEMU (you could other	Windows: double-click debianVM.bat file
altered we do labwork in a virtual machine	virtualizers such as Virtual	Other host OS: see notes in Piazza
	Box)	
Manage the virtual computer resources	Linux (Debian) Operating	OS is booted up by QEMU
(memory, hard drive, CPU, mouse, key-	System (OS)	
board, monitor)		
Send commands to Linux	BASH (Bourne Again SHell	Use (fluxbox) window manager context
		menu (right click on desktop) and select
		Applications/XTerm
Template of a working program with cor-	FC (function creater perl	run /home/debian/fc at command
rect syntax	script)	prompt in the working directory (lab1)
Edit source code and documentation files	geany	Type geany & at prompt
compile/link code	g++	fc will do first one for us automatically
Build program (manage compil-	Make	Put commands in Makefile (then run
ing/linking)		make from geany build menu or directly
		on command line
Document program	pdflatex	from geany build menu (Latex \rightarrow PDF
Graph the function	gnuplot	Use gnuplottex package
Download PDF and TGZ files to host	tar and host browser	tar zcvf lab1.tgz lab1 from the home
		directory
		use address localhost:8080 in host
		browser to see/download files
Submit to Canvas	Canvas	Upload files to lab1 assignment then sub-
		mit them

Why?	What?	How?
List files and directories	ls	ls -l
Create a new directory	mkdir	mkdir <i>lab1</i>
Change to a new working direc-	cd	cd lab1
tory		
Finding a file (e.g. fc)	find	sudo find / - name fc
Run the fc script	fc	/home/debian/fc

Table 2: Useful BASH commands