CSE278 Introduction to Systems Programming (Systems I) Department of Computer Science and Software Engineering Summer 2020

These are the software, text, tools that will be used throughout the semester.

SI.	Items	Description	Remarks
No.	VPN	Cisco AnyConnect VPN needed for off campus connectivity	For any problem, call IT
ı	VIII	https://miamioh.teamdynamix.com/TDClient/1813/Portal/Req	513 529 7900
		uests/ServiceDet?ID=9022	010 020 1000
2	Linux	os1.csi.miamioh.edu (Designated Linux server)	Use ssh to connect
	Server for		remotely
	the course	ceclnx01.cec.miamioh.edu (CEC Server)	
3	NetBeans	Download and install from https://netbeans.org/	Be used to Remote
	8.2		Project development
4	C++	Download and install from https://cygwin.com/install.html	Make sure to install:
	Compiler		gcc, g++, make and gdb
_			utility
5	C++ Standard	Use -std=c++14	We will only use
6	C++	g++ -std=c++14 -Wall -g source.cpp -o NameOfExecutbale	standard 14 always Default
O	Compilation	g++ -std=c++14 -vvaii -g source.cpp -o rvaineOrexecutbale	NameOfExecutable is
	Complication		a.out
7	Miami C++	edu-miami-RemoteProject 8 2 2016.nbm	Install the .nbm
	Project	edd midm Kemoter rojest_s_z_zsimin	(NetBean Module)
			plugin
8	CSE	https://miamioh.edu/cec/academics/departments/cse/academ	Need to resolve any
	Coding	ics/programming-style/index.html	style errors reported
	Style Guidelines		during compilation
9	CODE	https://code.cec.miamiOH.edu/code	See the video
3	Plugin	https://dodc.dod.mamiorn.cda/dodc	dec ine video
10	Networking	Need to link the Boost system	-lboost_system
11	Database	Need to link MySQL library	-lmysqlpp
12	Remote	Configure Remote C++ Project Development using NetBeans	Required Reading
	Project Dev	8.2	
		https://netbeans.org/kb/docs/cnd/remotedev-	
		tutorial.html	
		https://netbeans.org/kb/docs/cnd/remote- modes.html	
		modes.num	
13	Textual	On Mac use built in Terminal & SSH	
	Interface to	- For Windows install PuTTY & PSCP from:	
	Linux	https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.ht	
	1,0,,	ml	
14	Web Application	Need to create public_html folder in the Linux Server of your home directory	Do once
15	File	Be used to <i>chmod</i> command	u user
	permission		g group
			o Others

Prepared by: Emdad Ahmed

16	Frequently	man, ls, cp, mkdir, scp, mv, rm, pwd, cd, diff	Refer to:
10	used Linux		LinuxIntroduction.pdf
	Command		Lecture Slides
17	Remote	Use scp, tftp (command)	For Windows, use
17		Use Cyberduck (Visual Tool)	WinSCP
18	copy HTML and	Tutorial in www.w3schools.com	Practice HTML and
10	SQL	Tutoriai iii www.woschoois.com	SQL quiz from the site.
19	C++ Text	This is C++ How to 10th edition online:	OQL quiz nom the site.
13	OTT TOXE	This is C++ now to foth edition online.	
		Step 1, I go to https://www.lib.miamioh.edu/ (Links to	
		an external site.) - our library	
		,	
		Step 2, search the book name	
		Step 2, search the book hame	
		Class 2 all all assessments also also also also	
		Step 3, click connect t electronic book	
		Then it will send you to safari, you have to wait until it	
		redirects you again to oreily	
		,	
		(https://learning.oreilly.com/library/view/c-how-	
		to/9780134448930/?ar (Links to an external site.))	
		OR	
		You can try this link :	
		•	
		https://learning.oreilly.com/library/view/c-how-	
		to/9780134448930/?ar (Links to an external site.)	
20	Networking	https://learning.oreilly.com/home/ (Links to an	
	Text	external site.)	
		external sitely	
		Then in the search bar type "Computer and	
		Communication Networks."	
		It will be the first textbook that comes up and you can	
		just click on it. It may prompt you to type in your	
		miami uniqueID and password.	
24	1/0	. in most we allow at it we	Con he weed in Linear
21	I/O Redirection	< input redirection	Can be used in Linux Shell command prompt
	Redirection	> output redirection	Sheli command prompt
22		1	Different mechanism to
	l Handling		
	Handling Command	argc, argv[]	handle I/O redirection
		argc, argv[]	