Lab Issues, Git Issues

- If things come up during the official lab
- If things come up (fail-to-ban forgot password, git not doing what you expected)
 - discord wizard's corner or help centre
 - help centre (in person) mostly for programming help and linux usage
 - mail from your VIU mail account to CSCI Tech Help @ Viu.ca
 - See me in my office hour Tue 1/30-1:00
 - The is your responsibility to got the issues resolved. Don't assume that because we talked about it in lab, I will remember to do something about it outside of lab. To invoke my help outside of lab send an email to gara. pruesse@viu.ca

Linux Primer
Applications Places System
Internet
System Tools
MATE Terond
<u> </u>
See https://ryan'stutorials.net/linuxtutorial/
cheatsheet.php

~ \$1 cd - takes you to your home directory
~ (s - lists the contents (files, directories)
in the current directory
~st cd csci159/lab2 - takes you "down"
two directories into lab2 director
but only if this path exists
asmitha
csci 159 dev csci 159
[ab] [ab] [ab2
labl labl lab2
Sizes.cpp -sizes.cpp -average3,cpp -average3,cpp
average3,cpp = average3,cpp
You can also go "up" from your relative
position using
If in csci 159/lab 1, what happens when you.
~\$ 15 ~\$ cd
nd 15 then Nd 15

~ \$ cd - takes you to your home directory
~\$ (s - lists the contents (files, directories)
in the current directory
~st cd csci159/lab2 - takes you "down"
two directories into lab2 director
but only if this path exists
asmithca
csci 159 dev csci 159
lab1 lab2
Sizes.cpp Sizes.cpp
Sizes.cpp - sizes.cpp - average3,cpp - average3,cpp
What would happen if you were in directors.
What would happen if you were in directory w/csci 159/lab1 and you execute the command
10/ CSC1 10/1/1005 and you execuse the continuous
/ /acai F9 lay / 1.11 / ciana and ciana
«\$ cp//csci 159 dev/lab1/sizes.cpp sizes.cpp
tavget

asmithca csci159 csci 159 dev lab1 labl 1262 / Sizes cpp = average 3, cpp What would happen if you were in directory /csci 159/lab1 and you execute the command ~ \$ cp sizes.cpp oldsizes.cpp ~ cp sizes.cpp ../lab2/lab2.cpp ~\$ cp .../../csc1159/lab1/sizes.cpp sizes.cpp ~\$ cp .../../csc159/lab1/sizes.cpp

The Wild Card (globbing)
~\$ Is *.cpp
• •
The autofill on the command line
~\$ ed cs (tab)

The Wild Card (globbing)
~\$\frac{\p}{\squares}
The autofill on the command line
4
~\$ ed csci 59
·C (1.1) C1
it multiple files start with cs then
it will fill to the longest common prefix and let you fill in the rest
prenx and cer you fill in the rest

Lab 2 makefile corrections
- in csci 159/lab 2
-in makefile
-2nd echo line is missing "
at end of line -add it
- 2 lines below that
lab2x
chotx: lab2.cpp
•
-make those changes and it should
work as advertiged.
- don't change any Thing else.

C++ and Boolean logic

After the "if" should be an expression that evaluates to either true or false

true false are constant values
"literals", like 3 or 'b'

if else are Keywords in the C++ language

You cannot name a variable true false if else.

Note: C++ is case-sensitive, so it does not recognize TRUE as true

if true
Ş
cout «" always print this. \n";
3
else
\{
cout « "Never print this." « end!

Type Casting

- change a value of one type to value of another type

int
$$n=9$$
, $m=2$;
double ans = n/m ;

gives and the value 4.

int
$$n=9$$
 $m=2$;
double ans = $n / static_cast < double)(m)$

gives and the value 4.5

Old C: (double) m

New C++: static_cast < double>(m)

Boolean Expressions

true, false are constant values

- case sensitive

- TRUE and False are not

recognized by C++ as predefined.

bool go = false;

go = want To 68 have Time To .

bool pass = false;

// exam is out of 100, term Work is out of 100

pass = (evam >= 50) 466

(termWork + exam >= 100);

if (bilirubin High (bili) It chol High (hdl, ldl, sex)

doctor Message ();

?

"equals"

if (sex == "M")

If you want to have a more robust interface that accepts upper and lower case values from user...

cin >> sex; Sex = toupper (sex); // ensures value is // in upper case

if	true.
if	boolean Variable
if	(any other boolean expression)
	Tuse pavens - they are free

To reverse the boolean value, prefix it with if (! verboseMode) cout << "Error.\n"; else // verbose mode - say more cout « "Error of type " « ErrType K "occurred in line" line Num Kendl;

Truth Tables

Exp1	Exp2	Expl & & Exp2	Expl	Exp2	[Exp1
true	true	true	true		
true	false	false			
false	true	false			
false	false	false			

Precedence of operators

lold && wise

use parens to establish the logic you want.