Note Titl	S180- C++ + the command line 9/2/2011
-	Announcements
	- HW will go up tocky
	- Labs are due Sunday Prelabs are due before class generally, you can work in pairs (tell me your partner)
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e command line Notes: No GUI (so no Kate!) Conned to turing, slu. edu

Command line tops in general you'll use E commands ist fles in current directory source/file · rm fly remove

Mano 6 VI or emacs or pro - Hitting the up arrow gives the (of then you can edit) - Hitting tab will auto complete - You can use & to get prompt back ex: kak file & Prompt back - is current directory, .. is paren Do-while loops

```
int number;
do {
   cout << "Enter a number from 1 to 10: ";
   cin >> number;
} while (number < 1 || number > 10);
```

Treastes body before checking the boolean

if (x < 0)X = -Xif (groceries.length() > 15) cout << "Go to the grocery store" << endl;</pre> else if (groceries.contains("milk")) **_cedt** << "Go to the convenience store" << **endl**; Don't need brackets if I

Booleans Rthan Ctt

Boolean Operators				
and	&&	logical and		
or	/	logical or clamaton		
not		logical negation		
a if cond else b	cond ? a : b	conditional expression		

Comparison Operators				
a < b	a < b	less than		
a <= b	a <= b	less than or equal to		
a > b	a > b	greater than		
a >= b	a >= b	greater than or equal to		
a == b	a == b	equal		
a < b < c	a < b & & b < c	chained comparison		

Booleans & if whiles If a while statements can be written with numeric conditions (which are really booleans).

mistabeCount == 0 x: if (mistake Count) cout << "Broom!" < cend! (=) false

Common error

What IS wrong?

double gpa;
cout << "Enter your gpa: ";
cin > gpa;
if (gpa = 4.0)
cout << "Wow!" << endl;

Example: for (int count = 10; count >0; count -)

cout << count << end);

cout << "Blast off" << end]; Note: int declaration isn't required tor (int i=0; i<0; "4+)

The main function Every program défaults to running a other functions int main () } (See example)