

cisc1110 fall 2010 lecture IV.3

- midterm review

unit I: introduction; output

- software development cycle
- what is an IDE
- compiling simple C++ programs
- the use of cout
- "hello world" program
- what is the ASCII table

unit II: simple data types

- storing data
- rules for creating and using variables
- primitive data types: int, double, char bool
- assignment operators
- mathematical operators
- floating point versus integer division
- outputting variable values
- logical operators
- "truth" tables

unit III: more data types

- random numbers
- for loops
- arrays
- C++ style strings
- C++ string functions
- C style strings
- two-dimensional arrays
- constants

unit IV: input; more on variables

- keyboard input
- formatted output
- shortcut operators
- base conversion
- hexadecimal and octal constants

about the midterm

- 10% of term grade
- you may bring one page of notes
- you may NOT use any electronic device
- you will be asked to find compiler errors in a program
- you will be asked to show what the output is of different programs
- you will be asked to write a short program from scratch
- you will be asked to convert numbers between base 2, base 8, base 10 and base 16