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