

CPS 171 Test1 Review sheet

TOPICS

SEQUENTIAL STRUCTURE

strings – concatenation, length, find and substr functions
cin(input) with string, float, int and char data (cin>> vs cin.get() with char data)
read markers
input files (eof, open, close)
cout (output) float, int, char, strings
FORMATTING – setw(), setprecision(), endl. \n etc.
assignment statements
arithmetic operators
coercion – implicit, explicit (mixed mode)

ITERATION

Understand the action of a simple EOF while loop

DECISION/BRANCHING/ALTERNATIVES

boolean conjunctions - &&, || and !
simple examples of if, if else statements

TYPES OF QUESTIONS

Determine the output of a program

What does the following fragment of code do?

Evaluate the following C++ expressions (mixed floats and ints and order of operations)

Rewrite the fragment using to do the same

Short answer – describe/discuss

Find the errors

Understand the following concepts/ideas/words

Problem solving techniques, hardware, software, errors of programming, object files, source files, style, structure, compile, user friendly techniques.

Given a problem, write a program which can handle the requirements using

Strings, input, output, assignment statements (calculations), simple branching.

Suggested Exercises for review:

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Page 96 nos 3,7,8,14,15

Page 143 nos 12,13,

Page 145 nos 3,4,5,6,8,11,12,13

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