

CPS 171 Test 1 Review sheet for Chapters 1-3, 4(in part)

TOPICS

Computer hardware and languages

Data types, reserved words

cin(input) with string, float, int and char data (cin>> vs cin.get() with char data)
getline()

Input and output files (open, close, input, output, etc.)

cout (output) float, int, char, strings

Formatting – setw(), setprecision(), setfill(), endl. \n etc.

Assignment statements

Arithmetic operators – precedence.

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

Coercion – implicit, explicit (mixed mode)

Conditional (if) statements

TYPES OF QUESTIONS

Part 1 - True/False and Multiple Choice

Part 2 - Short answer - describe/discuss - Find the errors - Determine the output of a program - Write a program

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 variables, constants, input, output, assignment statements (calculations), etc properly.

Suggested Exercises for review:

Chapter 1 numbers 1-10

Chapter 2 numbers 1-5, 13-15

Chapter 3 numbers 1-7 – Also study the example programs

Chapter 4 numbers 1-4