

CSC 501 WEEK 3 QUIZ STUDY GUIDE

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Basic facts about computer hardware: input/output devices, central memory, secondary memory, the concept of RAM, memory address, volatility of central memory.

Programming Concepts: program, class, object, variable, data type, expressions, statements.

Be able to name all the primitive types in Java, giving examples of the values and operations of the data type.

Be able to name at least two Java class types, describing some of the methods and what those methods do.

Be able to write a program that reads input in the form of strings or numbers, performs simple computations, and prints the result.

Understand the notions of variable declaration or definition; the concepts of variable initialization and variable assignment.

Understand the form or syntax of numeric expressions, boolean expressions, operator precedence (priority), infix, prefix, and postfix operators, and associativity of operators.

Understand the concepts of assignment statements, if statements, and while statements, and be able to write code that uses these statements.

Understand the concept of a prime number, and how to test if one integer divides another integer.

Understand the concept of an array (this will be covered further Tuesday in Lecture).