AP® Computer Science: Unit 2 Checklist

Introduction

☐ I created the three Unit2 subfolders: Documents, Lessons, and Assessments.

Order of Operations

☐ I solved arithmetic expressions using the Order of Operations.

Printing Arithmetic Expressions

☐ I applied concatenation to produce user-friendly output.
☐ I used the **print()** and **println()** methods to verify arithmetic expressions.

Primitive Data Types: **ints**

☐ I understand the limitations of the **int** primitive data type.
☐ I discovered the benefits of using variables instead of values in a program.

Primitive Data Types: **doubles**

☐ I understand the limitations of the **double** primitive data type.

Arithmetic Expressions

☐ I can declare and initialize variables.
☐ I know the rules and for naming variables.

Primitive Data Type Conversions

☐ I can use widening and narrowing conversions to prevent calculation errors.
☐ I recognize that primitive data types require different amounts of memory.
☐ I can evaluate simple arithmetic expressions in accordance with the Order of Operations.

Pitfalls, Shortcuts, Surprises

☐ I understand that numeric values are not always stored precisely in memory.
☐ I can use arithmetic/assignment operator shortcuts correctly.
☐ I can use increment/decrement operator shortcuts correctly.

Challenge Program

☐ I can write simple arithmetic expressions that comply with the Order of Operations.
☐ I was able to modify existing code.
☐ I understand how to produce user-friendly output.