

STUDY GUIDE 2: Computing Basics

AP Computer Science - WHS Mulvaney

Name _____ Per _____

Resources

<u>Lecture Slides</u> <ul style="list-style-type: none">- 1B: Basic Computing Concepts- 1C: String Literals and Comments- 1D: Classes, Methods, Identifiers	<u>Textbook Section</u> <ul style="list-style-type: none">- 1.1 Basic Computing Concepts
PracticeIt (Building Java Programs <u>4th Edition</u> , Chapter 1) <ul style="list-style-type: none">- (1B) Self Check 1.10; Exercise 1.4- (1C) Exercise 1.9- (1D) Self Check 1.6, 1.17	

Lecture Notes: Basic Computing Concepts

1. Come up with your own algorithm for something you do in everyday life.
2. Do programmers concern themselves more with software or hardware?

Vocabulary

Algorithm	
Computer Science	
Hardware	
Software	

Lecture Notes: String Literals and Program Structure

3. What is the advantage of using helper methods instead of asking the the main method to contain every statement?
4. Writing a computer program is a lot like writing an essay. In this analogy, what three essay component correlate to a class, method, or statement.
5. Why are comments so vital when they don't affect execution?

String	
literal	
variable	

Lecture Notes: Classes, Methods, Identifiers

class	
main method	
helper method	
statement	

Task 1: Identifying Valid Identifiers

Attempt each of the variable names below. Circle the ones that compile and the ones that don't, then answer the questions below.

A, ab, xyz, take6, b4, 2much, ha_ha, _silly, bang!, whack/, bright*, b()()m

6. Can identifiers start with letters? Uppercase? Lowercase?
7. Can identifiers contain numbers?
8. Can identifiers begin with numbers?
9. Which non-number, non-letter characters are allowed in identifiers?

identifier	
comments	