# Chapter Review Questions

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Chapter 1 and Chapter 2 Review Questions (10 points):

1. What is the name of the logical unit that receives information from outside the computer for use by the computer program?

**The logical unit that receives information from outside the computer for use by the computer program is the Input Unit.**

1. What is the process of instructing the computer to solve a problem called?

**The process of instructing the computer to solve a problem is called programming.**

1. What type of languages are most convenient to the programmer for writing programs quickly and easily?

**High-level languages are most convenient to the programmer for writing programs quickly and easily.**

1. What is the only language that a computer can directly understand?

**The only language that a computer can directly understand is its own machine language.**

1. What software application simulates a computer, but hides the underlying operating system and hardware from the Java programs that interact with it?

**The software application that simulates a computer but hides the underlying operating system and hardware from the Java programs that interact with it is the Java Virtual Machine.**

1. What is used inside a program source code to document a program and improve its readability?

**Comments are used inside a program source code to document a program and improve its readability.**

1. What type of statements are used to perform mathematical calculations?

**Arithmetic statements containing arithmetic operators are used to perform mathematical calculations.**

1. What do we call a location in the computer’s memory that may contain different values at various times throughout the execution of a program?

**We call a location in the computer’s memory that may contain different values at various times throughout the execution of a program a variable.**

1. Write Java statements that will display the message "Enter a value: ", leaving the cursor on the same line.

**import java.util.Scanner;**

**Scanner scan = new Scanner(System.in);**

**System.out.print("Enter a value: ");**

**scan.nextInt();**

1. Assuming that x = 2 and y = 3, what does:

System.out.printf("Value of %d + %d is %d%n", x, y, (y + x));

display after being executed by the program?

**“Value of 2 + 3 is 5” will be displayed.**