/\*Answers are in Yellow\*/

Chapt. 1

1.4 What unit is used to measure CPU speed? hertz(Hz), with 1 hertz equaling 1 pulse per second.

1.7 What unit is used to measure memory size? Gigabytes (GB)

1.8 What unit is used to measure disk size? 500 gigabytes to 1 terabytes

1.10 What language does the CPU understand? Binary Code (1’s & 0’s)

1.11 What is an assembly language? Assembly language uses a short descriptive word, known as a mnemonic, to represent each of the machine-language instructions

1.13 What is a high-level programming language? Ada, BASIC, C, C++, C#, COBOL, FORTRAN, Java, Pascal, Python, Visual Basic

Chapt 2

2.4 Which of the following identifiers are valid? Which are Java keywords?

miles, Test, a++, ––a, 4#R, $4, #44, appsclass, public, int, x, y, radius

2.5 Identify and fix the errors in the following code:

1 public class Test {

2 public static void main(String[] args) {

int k = 1;

3 int i = k + 2;

4 System.out.println(i);

5 }

6 }

2.20 Which of the following are the same as 52.534?

5.2534e+1, 0.52534e+2, 525.34e-1, 5.2534e+0

2.23 How do you obtain the current second, minute, and hour?

totalMilliseconds = System.currentTimeMillis();

totalSeconds = totalMillisseconds / 1000;

currentSecond = totalSeconds % 60;

long currentHour = totalHours % 24;

long currentMinute = totalMinutes % 60;

System.out.println("Current time is " + currentHour + ":"26 + currentMinute + ":" + currentSecond + " GMT");

Chapt 4

4.2 True or false? The argument for trigonometric methods is an angle in radians. True

4.17 Suppose that s1 and s2 are two strings. Which of the following statements or expressions are incorrect? All are incorrect because s1, s2, and s3 hasn’t been defined.

String s = "Welcome to Java";

String s3 = s1 + s2;

String s3 = s1 - s2;s1 == s2;s1 >= s2;

s1.compareTo(s2);

int i = s1.length();

char c = s1(0);

char c = s1.charAt(s1.length());

4.22 What are the format specifiers for outputting a Boolean value, a character, a decimal integer, a floating-point number, and a string?

Chapt 24

24.1 Supposelist is an instance of MyList, can you get an iterator for list using list.iterator()? No

24.4 What are the benefits of defining both the MyList interface and the MyAbstractListclass?

MyAbstractListclass provides a partial implementation of the MyList interface.