# Chapter 2 - Self Review Answers

2.1 Fill in the blanks:

a) { and }

b) if

c) //

d) space, tab, newline

e) Keywords

f) main

g) System.out.print, System.out.println, System.out.printf

2.2 True/False:

a) False - Comments are ignored by the computer.

b) True.

c) False - Java is case sensitive.

d) False - The % operator can be used with floating-point numbers too.

e) False - \*, /, % have higher precedence than + and -.

2.3 Write the statements:

a) int c, thisIsAVariable, q76354, number;

b) System.out.print("Enter an integer: ");

c) int value = input.nextInt();

d) System.out.println("This is a Java program");

e) System.out.printf("%s%n%s%n", "This is a Java", "program");

f) if(number != 7) System.out.println("The variable number is not equal to 7");

2.4 Correct the errors:

a) if (c < 7) System.out.println("c is less than 7");

b) if (c >= 7) System.out.println("c is equal to or greater than 7");

2.5 Declarations and statements:

// This program calculates the product of three integers.

Scanner input = new Scanner(System.in);

int x, y, z, result;

System.out.print("Enter first integer: ");

x = input.nextInt();

System.out.print("Enter second integer: ");

y = input.nextInt();

System.out.print("Enter third integer: ");

z = input.nextInt();

result = x \* y \* z;

System.out.printf("Product is %d%n", result);

2.6 Complete Program:

import java.util.Scanner;

public class ProductCalculator {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

int x, y, z, result;

System.out.print("Enter first integer: ");

x = input.nextInt();

System.out.print("Enter second integer: ");

y = input.nextInt();

System.out.print("Enter third integer: ");

z = input.nextInt();

result = x \* y \* z;

System.out.printf("Product is %d%n", result);

}

}