Chapter 2 Self-Review Exercises – Answers

2.1 Fill in the blanks

a) Opening brace {, Closing brace }  
b) if  
c) //  
d) Space, tab, newline  
e) Keywords (reserved words)  
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 – Java requires all variables to have a type.  
c) False – Java is case-sensitive, so number and NuMbEr are different variables.  
d) False – % can be used with both integers and floating-point numbers.  
e) False – \*, /, and % have higher precedence than + and -.

2.3 Write Statements

// a) Declare variables

int c, thisIsAVariable, q76354, number;

// b) Prompt user

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

// c) Input an integer

int value = input.nextInt();

// d) Print one-line output

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

// e) Print multi-line output

System.out.printf("This is a Java%nprogram%n");

// f) If number is not 7, display a message

if (number != 7) {

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

}