Learning Objectives Refresher for Week 1

Please complete these three questions, meant to revisit the ideas brought out in lecture and section. If you have difficulty completing this assignment without using outside resources, then you should spend time reviewing the materials in the JPSS text and practicing with code in JBuilder. Remember, this course requires a student to build upon each week’s material; missing learning objectives from each week will only add to your frustration in later weeks.

Please bring your answers to Monday’s lecture (Jan. 10th). We shall review these answers in section.

1. Describe each element of the following highlighted code segment, using the space provided. Use words like objects, classes, instance variables, constructors, accessor methods, mutator methods, parameters, etc.

```java
public BookReader(String readIn, int pages, BookWriter writeOut) {
    this.readIn = readIn;
    this.pages = pages;
    int needToWrite = writeOut.howManyPages();
}
```

```java
public BookReader()

String readIn

int pages

BookWriter writeOut

howManyPages()
```
2. Describe each element of the following highlighted code segment, using the space provided. Use words like objects, classes, instance variables, constructors, accessor methods, mutator methods, parameters, etc.

```java
public int getNumber(String inWord)
{
    int i = 0;
    int wordLength = inWord.length();
    String outMessage = new String("A new letter found.");
    if (wordLength != 0)
    {
        for (i = 0; i<wordLength; i++)
        {
            System.out.println(outMessage);
        }
    }
    else
    {
        return 0;
    }
    return i;
}
```

getNumber() ______________________________________________________
inWord ______________________________________________________
i ______________________________________________________
length() ______________________________________________________
i++ ______________________________________________________
if () ______________________________________________________
for () ______________________________________________________
System.out ______________________________________________________
println() ______________________________________________________
return ______________________________________________________

3. The code segment in question 2 could be more concise in design (in actuality, only one line of code is needed inside the method). Explore the redundancy in this method and write a more concise method below.