

Name: _____

Section: Wed./Thurs.

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.

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

public	_____
BookReader()	_____
String	_____
readIn	_____
int	_____
this.pages	_____
BookWriter	_____
writeOut	_____
howManyPages()	_____

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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.

```
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.