

### Exercise on Lesson 3

1. Write code in which a *String* variable *s* contains “The number of rabbits is”. An integer variable *argh* has a value of 129. Concatenate these variables into a *String* called *report*. Then print *report*. The printout should yield:  
    The number of rabbits is 129.  
Note that we want a period to print after the 9.

```
String s = “The number of rabbits is”;  
int argh = 129;  
String report = s + “ ” + argh + “.”;  
System.out.println( report );
```

2. What is the output of `System.out.println( p.toUpperCase( ) );` if *p* = “Groovy Dude”?

**GROOVY DUDE**

3. Write code that will assign the value of “Computer Science is for nerds” to the *String* variable *g*. Then have it print this *String* with nothing but “small” letters.

```
String g = “Computer Science is for nerds”;  
System.out.println( g.toLowerCase( ) );
```

4. What will be the value of *c*?  
    String c;  
    String m = “The Gettysburg Address”;  
    c = m.substring(4);

**“Gettysburg Address”**

5. What will be the value of *c*?  
    String b = “Four score and seven years ago,”;  
    String c = b.substring(7, 12);

**“ore a”**

6. What is the value of count?  
    int count;  
    String s = “Surface tension”;  
    count = s.length( );

7. Write code that will look at the number of characters in *String m = "Look here!"*; and then print

`"Look here!" has 10 characters.`

Use the *length()* method to print the 10 ...you must also force the two quotes to print.

```
String m = "Look here!";  
System.out.println( "\"" + m + "\" has " + m.length() + " characters." );
```

8. How would you print the following?

`All "good" men should come to the aid of their country.`

```
System.out.println( "All \"good\" men should come to the aid of their country. );
```

9. Write code that will produce the following printout using only a single *println()*.

```
System.out.println( "Hello\nHello again" );
```

10. Write code that will produce the following printout.

`A backslash looks like this \, ...right?`

```
System.out.println( "A backslash looks like this \\, ...right?" );
```

11. What is the output by the following?

```
String pq = "Eddie Haskel";  
int hm = pq.length();  
String ed = pq.substring(hm - 4);  
System.out.println(ed);
```

**skel**

12. Which character is at the 5<sup>th</sup> index in the String "Herman Munster"?

**n**