CSSE 220 – Object-Oriented Software Development
Rose-Hulman Institute of Technology

Worksheet 02

Name (Print):_____   Section:_____

1. Find an invalid literal:

   (a) "10000000"

   (b) 10000000

   (c) '10000000'

2. Complete Your first Java program called HelloJava that prints "Hello Java!"

```
1  public  _____  {
2
3      public static void _____  {
4
5          System._____;
6
7  }
```

3. Write a symbol for a new line using escape characters: _____

4. Find your shortcuts:

   (a) Open a wizard (to create a new class, project etc) _____

   (b) Maximize, minimize editor: _____

   (c) Comments: _____

   (d) Auto suggestion: _____

   (e) Find another useful shortcut in Eclipse: _____

5. Array vs ArrayList:

Feature	Array	ArrayList
Size		
Type		
Functionality		

6. Array or ArrayList

   1) Use _____ when you know the exact size of the collection

   2) Use _____ you need a dynamic collection that can grow or shrink

7. Create an array with 3 numbers : 1,2,3

```
1
2
      -----------------------
```

8. 1) ArrayList cannot be used for _____

   2) We need a _____ class

9. Identify the Wrapper Classes

Primitive Data Type	Wrapper Class
int	
double	
boolean	
char	

10. Create an empty ArrayList with integers called nums and an ArrayList with strings called str (HINT: you also need to import a library java.util.ArrayList):

```
1
2
      -----------------------
3
4
      ----------------------
5
6
      -----------------------------
```

11. You created an ArrayList called **list**, complete the following instructions:

    1) Add the value 5 to list : _____

    2) Add the value 10 at the index 2 : _____

    3) Display the value at the index 1 : _____

    4) Remove the value at the index 1 : _____

12. To get a length of Arrays and ArrayLists, you use:

    1) .length for _____

    2) .size() for _____