Exercises: Variables, Input, and Strings

Code Reading

1. What does the following output to the console?

```java
public class Exercise {

    public static void main(String[] args) {

        System.out.print("If you think education is expensive,");
        System.out.println("try ignorance.");

    }

}
```

Solution:

```
If you think education is expensive,try ignorance.
```

2. What does the following output to the console?

```java
public class Exercise {

    public static void main(String[] args) {

        System.out.println("There are 10 kinds of people in this world: ");
        System.out.println("those who know binary and those who don't.");

    }

}
```

Solution:

```
There are 10 kinds of people in this world:
those who know binary and those who don't.
```

3. What does the following output to the console?

```java
public class Exercise {

    public static void main(String[] args) {

        System.out.println("And on");
        System.out.println(" and on");
        System.out.print(" and on");
        System.out.print(" and on");

    }

}
```

Solution:

```
And on
 and on
 and on and on
```

4. Circle all of the following that are properly formatted strings.

"One string, two string invalid

"Hello!" valid

"   " valid

Good-bye invalid

Code Writing

5. Write a program to output the following to the console using `print` statements, one for each word. Pay careful attention to spacing! Check your answer in Eclipse.

```
Hello, world!
```

```java
public class Exercise {
    public static void main(String[] args) {




    }
}
```

6. Write a program to output the following to the console using `println` statements. Check your answer in Eclipse.

```
They're taking the hobbits
to Isengard.
```

```java
public class Exercise {
    public static void main(String[] args) {




    }
}
```

7. Below, place a multi-line comment above the `class` with your name, date, and major each on a separate line. Inside `main`, write a single line comment explaining that you are demonstrating how to use the `print` statement, and on the next line, write a `print` statement that prints your information in the following format:

```
<your name here>: <major> (<date>)
```

For example, my program would display the following:

```
Allie Sauppe: computer science (Sept. 6, 2016)
```

When you are done, check your answer in Eclipse.

```java
public class Exercise {
    public static void main(String[] args) {




    }
}
```