

1. What is printed by the following code:

```
String str = "Go Tigers!";
System.out.println(str.substring(3,4));
```

T

2. What is printed by the following code:

```
String str = "Go Tigers!";
System.out.println(str.length());
```

10

3. What is printed by the following code:

```
String str = "Go Tigers!";
System.out.println(str.substring(5));
```

gers

4. What is printed by the following code:

```
String str = "Go Tigers!";
System.out.println(str.indexOf("k"));
```

-1

5. Write code to store a random integer between 2 and 11 inclusive in a variable x:

```
int x = (int) (Math.random() * 10) + 2;
```

6. Write code to print only the last character of the String word (assume the user enters a valid String):

```
String word = scan.nextLine();
s.o.p.(word.substring(word.length()-1));
```

7. What is printed?

```
System.out.println( (double) (3/4) );
```

0.0

8. What is printed?

```
System.out.println( 5%6 );
```

5

9. What is printed?

```
System.out.println(1+2+"three");
```

3three

10. What is printed?

```
System.out.println( 3/2 );
```

1

11. Write a method titleCase which accepts a String and returns the same String but with the first character capitalized and the rest of the String lowercase.

```
public String titleCase(String str)
{
```

```
    return str.substring(0,1).toUpperCase() +
           str.substring(1).toLowerCase();
}
```

12. Write code to create a Scanner, then ask the user to enter their name and age. Store the name in a String and the age in an integer.

```
Scanner scan = new Scanner(System.in);
String name = scan.nextLine();
String age = scan.nextInt();
```