

Quick Review of String Methods (and a few new ones!)

11/6/18

1. Identify the return values of the following method calls on the String data in the code segments below:

```
name = "Mouse, Mickey";  
other_name = "Mouse, Minnie";
```

- a. `name.length();`
- b. `name.substring(1, 3);`
- c. `other_name.substring(7, 13);`
- d. `name.substring(7);`
- e. `name.indexOf("M");`
- f. `other_name.indexOf("i");`
- g. `other_name.indexOf(9, "i");`
- h. `name.indexOf("K");`
- i. `name.equals(other_name);`
- j. `name.toUpperCase();`
- k. `other_name.toLowerCase();`
- l. `name.compareTo(other_name);`

“For” Loops Review

Identify the output of the following “for” loops in Java.

2. for (int i=0; i < 10; i++)

 System.out.print(i);

3. for (int i= 1 ; i <= 10; i+=1)

 System.out.print(i);

4. for (int i= 1 ; i > 10; i+=1)

 System.out.print(i);

5. for (int i= 1 ; i > 0; i+=1)

 System.out.print(i);

6. for (int i=1; i <= 10; i+=2)

 System.out.print(i); }

7. for (int i=1; i <= 10; i*=2)

 System.out.print(i);

8. for (int i=0; i <= 10; i*=2)

 System.out.print(i);

For questions 9 and 10, use the following code segment:

```
String animal = "Puffin";
int length = animal.length();
```

9. for (int i = 0; i < length; i++);

 System.out.print(i);

10. for (int i = 0; i < length; i++);

```
{
    String character = animal.substring(i, i+1);
    System.out.print(i);
}
```