COS126 Function Activity - 2.1

- Group Activity: Arrays, Standard Input, Functions (Static Methods)

1. Write a program `Maxi` which inputs three integers `x, y, z` **from standard input**, and calls a function `max3()` which takes 3 integer arguments and returns the value of the largest one. Print the largest integer. (Assume the function `max3` is in the class `Maxi`.)

```
public class Maxi {
    // methods will go here

    public static void main(String[] args) {
        // Input three integers from standard input




        // Call the function max3(a, b, c) and print the result




    }
}
```

2. Write the function `max3()` to return the largest of three integers. (**Exercise 2.1.1**)

```
public static _____ max3(_____) {
```

```
}
```

3. Write another function `max3()` to return the largest of three doubles. (**Exercise 2.1.1**)

```
public static _____ max3(_____) {




}
```

4. Write a method `reverse1()` that takes a String array as an argument, and returns a new String array which holds the reverse of the argument array. DO NOT ALTER the original array. (**Web Exercise 2.1.35**)

```
public static _____ reverse1(_____) {




}
```

5. Use the code from page 89 or Booksite Ex.1.4.4 to write a function `reverse2()` to reverse the elements in a String array. The array is an argument of the method. The method does not return anything. It reverses the original array. (**Web Exercise 2.1.35**)

Recommended book exercises: 2.1.3, 2.1.4, 2.1.13, 2.1.14