

CSCE 155 - Lab 05 - Functions - Worksheet

Names: _____

1. Complete the table below using 3 functions you've used prior to this lab.

Function Name	Parameter(s)	Return Type
<code>pow</code>	<code>(double, double)</code>	<code>double</code>

2. Use `orderStatistic.c` to answer the following questions.

- (a) Identify all of the user-defined functions in the program along with the functions' return types and the number of parameters they accept.
- (b) Among the functions `main`, `strToIntArray`, `insertionSort`, and `getOrderStatistic`: identify which function calls which other function(s).
- (c) To compute the minimum element you would ask for the first element ($i = 1$). What arguments would you need to provide to generate the second smallest element? The maximum element? The median element?

3. Assume you had written the force function like

```
1  getForce(double distance, double time, double initialDistance, double mass) {  
2      return mass * getAcceleration(distance, initialDistance, time);  
3  }
```

Compare the two different methods of writing this function. In your consensus opinion, which one is better for reusability? Readability? Why?.

Lab Instructor Signature_____