

CSCE 155 – Lab: Functions

Worksheet – C Version

Name _____

1. Complete the table below using 3 functions (an example has been provided) that you've used prior to this lab:

Function Name	Parameter data types	Return value data 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 `getForce(double distance, double time, double initialDistance, double mass){ return mass * getAcceleration(distance, initialDistance, time);}`. Compare the two different methods of writing this function (i.e., is one better for reusability? Readability? Why?).

Lab Instructor Signature _____