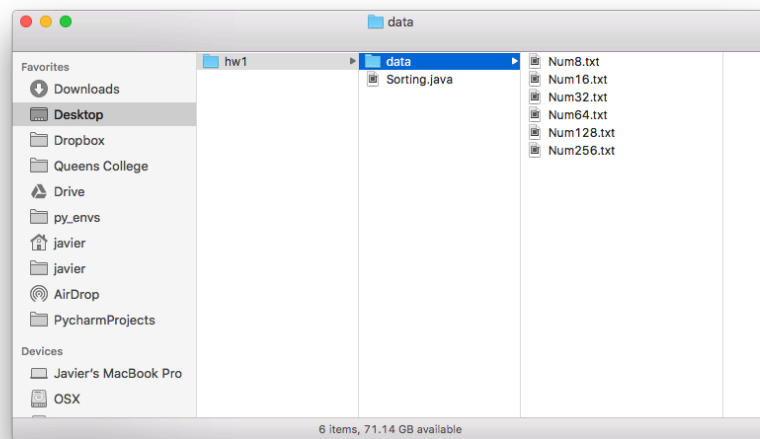# Instructions: How to Compile and Run the Program

This program has been written using **java 1.7**. The following instructions work for Linux, Windows 7, 10, and OSX (EL capitan or above) as long as Java 1.7 is installed on the computer. There is no need for a special IDE, since it can be compiled through the command line. To compile and run the code just follow the next three steps:

1) Place the java source file **Sorting.java** in the same directory as the folder named **data** which contains the 6 files containing the numbers to be sorted. (The name of these six files being: Num8.txt, Num16.txt, Num32.txt, Num64.txt, Num128.txt and Num256.txt). The directory containing the **Sorting.java** file and **data** folder should look like this:

2) Open a terminal/command window in the directory containing the **Sorting.java** file and **data** folder:

3) Execute the following commands to compile the **Sorting.java** file and run the three sorting algorithms on the data files:
   a) execute `javac Sorting.java` to compile the code
   b) execute `java Sorting` to run the program.

   The program should produce the files shown below, which contain the sorted data using each one of the algorithms and one csv file titled **SUMMARY.csv** containing the summary of the performance of each one of those algorithms on each dataset: