Below is a signed affirmation that the work submitted is my own and that the Honor Code was neither bent nor broken in completing this assignment.

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In this exercise I created a program to determine what best items (of value and size) to fill a bag to maximize its value, and listed the items that should be placed in the bag. The hardest part of this exercise was deriving an algorithm that would provide a correct answer if the items were not entered in size/value order, but this was easily solved by sorting the single arrays (and upon changing an ‘if’ factor, realizing this was unnecessary.)

1. Does the program compile without errors?  
   Yes
2. Does the program compile without warnings?  
   Yes
3. Does the program run without crashing?  
   Yes
4. Describe how you tested the program.  
   I tested the program using multiple cases of input involving:  
   Capacities - even/odd, above/below capacity amount.  
   Number of items – even/odd, above/below capacity amount.  
   Items – large/small sizes and values, above/below capacity amount, in order of size only, in order of value only, size and capacity in order, no particular order.
5. Describe the ways in which the program does *not* meet assignment's specifications.  
   It meets all requirements.
6. Describe all known and suspected bugs.  
   There are none.
7. Does the program run correctly?  
   Yes