Q1
Write a template-based class that implements a set of items. The class should allow the user to:

a.   Add a new item to the set
b.   Get the number of items in the set
c.   Get a pointer to a dynamically created array containing each item in the set. The caller of this function is responsible for de-allocating the memory.

   Test your class by creating sets of different data types (e.g. integers, strings, etc.)
Q2

Write a Pair class (similar to Display 16.4) so that the pair of items can be different data types. Write a main function that tests the class with pairs of different data types.