Dynamic Arrays Programming Assignment

1. Add to the Bag class created in the video by making it more useful. Specifically, add the following functions:
   1. bool removeOne(const int target); --- looks for the target value in the Bag and removes the first copy of the value from the dynamic array. If the target value is found, the function returns **true**; if the target value is not found, the function returns **false**.
   2. int removeAll(const int target); --- looks for the target value in the Bag and removes *all* copies of that value from the dynamic array. The number of copies of the value removed is returned.
   3. void insertSeveral(const int value, const int howMany); --- inserts as many copies of a value as indicated into the Bag. This function should call the insertInt() function in a loop. Be sure to make the Bag as large as needed --- either before inputting the duplicate values or as they are being input.
2. Write a program that creates a template class for the dynamic bag. You can use the program you wrote for #1, above, as the basis for the template class, but be sure to save both projects!