Submission

- Sort.h
- Time it took Matthew: 10 minutes

Description

- Implemented a templated overloaded outstream operator capable of printing out the elements of any vector
- Implement a sort function that takes a vector of any type and sorts its elements in ascending order (from smallest to largest)

Overloaded outstream

- Create a templated overloaded version of the outstream operator that can print out the elements of a vector of any type (ex vector of it, vector of double, vector of string, etc)
- Elements should be printed out on the same line with a single space between them
- You **should** assume that the outstream has **already** been overloaded for the elements in the vector
- Your function should be written so that I should **not** have to specify the type of the vector when calling it

Sort

- Create a templated function named **`sort`** that accepts a **reference** to a vector of any type and then sorts the elements of that vector in ascending order (from smallest to largest)
- The function should not return anything (ie have a return type of void)
- Your function should be written so that I should **not** have to specify the type of the vector when calling it
- You can assume that < is defined on the elements within the vector
- For an extra challenge try writing your method so that it can sort any iterable (something that has a begin and end defined on it that returns iterators)

Restrictions

- You **CANNOT** use any of the standard library sort methods. Doing so will earn you 0 points on this assignment
- You **CANNOT** use the standard library swap method but feel free to write your own