CIS 22B Lab 3 Itty Bitty Airfreight (IBA)

#### 200 Points

Topics:

Friend functions

Copy constructor

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### **Lab 3.1**

Create your objects in the stack (not on the heap). Add a friend function, **kilotopound**, which will convert kilograms to pounds. Change your weight mutator to ask whether weight is input in kilograms or pounds. If it is kilograms, call the friend function kilotopound to convert it to pounds and return pounds.

There are 2.2 pounds in one kilogram.

Create an object on the stack with the following information:

uld – Container

abbreviation - AYK

uldid – AYK68943IB

aircraft - 737

weight – 1654 **Kilograms**

destination – PDX

Output the contents of your object.

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**Lab 3.2**

Utilizing Lab 3.1 code, add a copy constructor.

Create an object on the stack using the following data:

uld – Container

abbreviation - ABB

uldid – ABB31545IB

aircraft - 737

weight – 1156

destination – BUR

Copy the first object using a copy constructor. Output the contents of both objects.