

From Walter Savitch's "Problem Solving with C++" CH12 #7: Write a checkbook balancing program. The program will read in, from the console, the following for all checks that were not cashed as of the last time you balanced your checkbook: the **number of each check (int)**, the **amount of the check (double)**, and **whether or not it has been cashed (1 or 0, boolean in the array)**. Use an **array/vector** with the class as the type. The class should be a **class for a check**. There should be three member variables to record the **check number**, the **check amount**, and **whether or not the check was cashed**. The class for a check will have a member variable of type Money (provided) to record the check amount. So, you will have a class used within a class. The class for a check should have accessor and mutator functions as

well as constructors and functions for both input and output of a check. In addition to the checks, the program also **reads all the deposits (from the console; cin)**, the **old** and the **new account balance** (read this in from the user at the console; cin). You may want **another array to hold the deposits**. The new account balance should be the **old balance plus all deposits, minus all checks that have been cashed**.

The program outputs the **total of the checks cashed**, the **total of the deposits**, what **the new balance should be**, and how much this figure **differs from what the bank says the new balance** is. It also outputs two lists of checks: the **checks cashed since the last time** you balanced your checkbook and the **checks still not cashed**.