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#include <fstream>
#include <iostream>
#include <iomanip>
#include "FileIntegerBuffer.h"
using namespace std;

FileIntegerBuffer::FileIntegerBuffer(const int dataCapacity) {
    dataLength = 0;
}

bool FileIntegerBuffer::store(string filename) {
    ofstream outFile;
    outFile.open(filename);
    if (outFile.is_open()) {
        for (int i = 0; i < dataLength; ++i) {
            if (i != 0 && i % 10 == 0) {
                outFile << "\n";
            }
            outFile << setw(6) << this->data[i];
        }
        outFile << endl;
        outFile.close();
        return true;
    }
    else {
        cout << "Unable To Open" << endl;
        return false;
    }
}

bool FileIntegerBuffer::load(string filename) {
    ifstream inFile;
    inFile.open(filename);
    if (inFile.is_open() == 1) {
        int data;
        while (inFile >> data) {
            this->add(data);
        }
        inFile.close();
        return true;
    }
    else {
        cout << "Unable To Open" << endl;
        return false;
    }
}

bool FileIntegerBuffer::operator==(IntegerBuffer& other) {
    for (int i = 0; i < dataLength; ++i) {
        if (data[i] != other.getDataValue(i)) {
            return false;
        }
    }
    return true;
}

```