

Asgn 2 Demo Specs (& Related Notes)

FIX AutoTesterUtility program BEFORE RUNNING THE DEMO

Here's the pseudocode version of what AutoTesterUtility MUST DO for the demo:

```
No string arrays are needed.
Delete the 3 OUTPUT files:
    Log.txt, MainData.bin, NameIndexBackup.bin
Run SetupProgram with "Tester" as the parameter
Run PrettyPrintUtility (no parameters specified)
For loop: transFileSuffix goes from 1 to 3
{
    Run UserApp with transFileSuffix as the parameter
    (which is a STRING parameter, not an int)
}
Run PrettyPrintUtility (no parameters specified)
```

FIX the 3 OTHER programs to accommodate the parameters for string[] args

SetupProgram uses args[0] as the fileNameSuffix (i.e., the ? for RawData?.txt)

UserApp uses args[0] for the transFileSuffix (i.e., the ? for TransData?.txt)

PrettyPrintUtility doesn't use any arguments

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WHAT TO DO FOR THE DEMO

1. **FIRST - FIX AutoTesterUtility (& the OTHER 3 programs) AS DESCRIBED ABOVE**
2. Run AutoTesterUtility which will run the other 3 programs multiple times
3. Print Log.txt file in NOTEPAD (or WordPad or...).
- Use a **FIXED-WIDTH FONT** (like Courier New) so record fields line up nicely (e.g., for the output for LI, LN and PrettyPrintUtility).
4. Use HexEdit to print out NameIndexBackup.bin file
[Yes, this is the result AFTER the INserts from TransData3.txt happened]
5. Use HexEdit to print out MainData.bin file
[Yes, this is the result AFTER the INserts from TransData3.txt happened]
6. Print all of your program code files.
7. Circle what I've described below (by hand).

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WHAT TO HAND IN (in the order specified below)

1. Cover sheet (fill in the top & sign it)
2. Printout of Log.txt file
3. HexEdit Printout of NameIndexBackup.bin-- CIRCLE THE FOLLOWING IN THE HEX PART (each as a separate field)
 - N and RootPtr
 - The newly inserted Japan -- its name, DRP, LChPtr, RChPtr
4. HexEdit Printout of MainData.bin - CIRCLE THE FOLLOWING IN THE HEX PART AND THE CHAR PART:
 - Each field in the newly inserted Japan record
 - The entire record in RRN 10
5. YOUR program code: (**IN THIS ORDER**)
 - AutoTesterUtility program
 - SetupProgram program
 - UserApp program
 - PrettyPrintUtility program
 - RawData class
 - RawDataRecord class
 - UserInterface class
 - NameIndex class
 - any other code files/classes you used in your program

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HOW MUCH COMMENTING IS NEEDED?

- See A1's demo specs

NOTE:

- Yes, TransData2.txt has NO TRANSACTIONS IN IT