CS132 Project4
fa2015
streller

PROBLEM STATEMENT:

For the Oxy Cookie Company, suppose that a file of employee records is maintained in which each employee is classified as an Office employee, a Factory employee, or a Salesman. Each record contains the following information for each employee:

Name (20 characters)(first and last separate)
Social Security Number (11 characters)
Age (integer)
Number of dependents (integer)
Employee code (Office, Factory, Salesman)
Hourly rate
Hours worked

CODE:

Write a menu driven program that allows at least the following options to be selected by the user of the program.

G Gets the records from the employee file and stores them in a binary search tree, where order is alphabetical by name.
I Insert the record for a new employee into the binary tree.
U Update the record of an employee already in the tree. (Allow a change of name, social security number, and so on)
R Retrieve and display the record for a specified employee (by name) and show the calculated pay
L List the records (or some of the records) in alphabetical order and show calculated pay.
This option should allow suboptions:
ALL, OFF, FAC, SAL for all, office, factory or salesmen
S Copy the records from the binary tree into a permanent file. (pre-order traversal to save)
D Delete the record of an employee from the binary tree.

your employee class should contain

1. friendly overloads for >> and <<
2. six relational operators for company records
3. = operator

your oxy class derives from tree<employee> it will handle getting the input, printing to screen, and creating a new output file
you need to change tree in the traversals for printing and saving

DELIVERABLES:

hard :

In a bound folder

1. documented source code
2. user manual.
3. Programmer manual(s) (one for each class also)

soft:

in a zipped file, called CS132_Tree_Tribulations_yourLastName,
sent to streller@ecc.edu with the subject CS132_P4

1. all source code
2. release version executable

Due Date : By 7:00am 18 December 2015

Demos commence 7:30am 18 December 2015