Assignment:	Write a program that inserts identifiers in a binary tree. Print the tree four (4) times. Print a graphical representation of the tree where the depth of each node is indented a multiple of five (5) spaces and lexicographically smaller nodes are printed before larger nodes. List the node of the tree three times, once using a preorder traversal, once using an inorder traversal, and once using a postorder traversal.
Prohibition:	Use of the C++ Standard Template Library is prohibited in the implementation of this project.
Program Files:	Project **8** consists of files **p08.cpp**, **Tree08.h**, **Tree08.cpp**, and **p08make.** Project file names are exactly as given. Failure to employ the foregoing names will result in a score of *zero* (*0*) for this project
	Project files must be stored in the **root directory of your student account**. Failure to store project files in the root directory of your student account will result in a score of *zero* (*0*) for this project.

File	Description
p08.cpp	File **p08.cpp** contains functions that process command line arguments. File **p08.cpp** contains functions create and traverse a binary tree.
Tree08.h	File **Tree08.h** contains the definition of class *Tree*. Class *Tree* implements a binary tree by dynamically allocating nodes. Each node references an identifier.
Tree08.cpp	File **Tree08.cpp** contains the implementation of member functions of class *Tree*.
p08make	File **p08make** contains instructions for creating executable file **p08**. Instructions in file **p08make** are accepted by the UNIX utility ***make***.

Command Line:	Project **8** can be invoked with zero, one, or two program parameters. The first program parameter is the input file name. The second parameter is the output file name. Sample command lines together with corresponding actions by program **p08** are shown below. Boldfaced type indicates data entered at the keyboard by the user.

$ **p08**
Enter the input file name: **i08.dat**
Enter the output file name: **o08.dat**

$ **p08 i08.dat**
Enter the output file name: **o08.dat**

$ **p08 i08.dat o08.dat**

Input files:	The input file contains a list of identifiers similar to the list given in Figure 1.
Output files:	Identifiers given in the input file are listed four (4) times in the output file. Figure 2 illustrates how program **p08** lists the identifiers given in Figure 1.
Figure 1.	
Input file format:	fantine rachel ilse karen deborah abigail zoe

Figure 2.
Output   file   Graphical Representation
format:

```
                                                      abigail
                                     deborah
                     fantine
                                                      ilse
                                                                        karen
                                     rachel
                                                      zoe
```

Preorder Traversal
fantine
deborah
abigail
rachel
ilse
karen
zoe

Inorder Traversal
abigail
deborah
fantine
ilse
karen
rachel
zoe

Postorder Traversal
abigail
deborah
karen
ilse
zoe
rachel
fantine