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CS 300: Data Structures and Algorithms: Analysis and Design

Southern New Hampshire University

February 5, 2023

Hash table Pseudocode

**Opening files**

Define file name

Open file “file name”

WHILE file is not empty

Get next line

Parse each line

Find “,” that separates each parameter

If “,” doesn’t exist in a line, format error = TRUE

Else, format error = false

For each prerequisite course

Find course number in file

If course number is missing, format error = TRUE

If format error = TRUE

Print error

Else

Print “no errors found”

**Create course Objects**

Vector<Node> nodes

Node()

If root node is null  
 create new node

Else if root is not null  
 **add node**

if class number to be added is smaller than current node  
 Traverse left tree  
 if node-> left is null, add node  
 add class number, class name, prerequisites

if class number to be added is larger than current node  
 traverse right tree  
 if node->right is null, add node  
 add class number, class name, prerequisites

**Print course information**

Starting from root node

If node is not null  
 recursively point to left node (find smallest value)  
 print course information  
 recursively point to right node (find next largest value)