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#pragma once
#include<vector>
#include<string>
#include<fstream>
#include<iostream>
using namespace std;

struct Company {
    std::string name;
    std::string profit_tax;
    std::string address;
};

struct Node {
    Company company;
    Node* p_next;
};

//Doc thong tin mot dong
Company ReadCompany(string line_info) {
    Company company;//Khai bao bien company de tra ve dua lieu lay duoc tu
line_info
    const char separator1 = '|';//ki tu ngan cach cac thanh phan du lieu cua
company
    const char separator2 = '\\0';//Su dung ki tu ket thuc chuoai \\0 hoac n-khong
biet sao cai ki tu nay van duoc.
    const int len_line_info = line_info.length();
    string temp = "";
    vector<string> info_company;

    for (int i = 0; i <= len_line_info; i++) { //Chu y dau bang de lay them ki tu
ket thuc chuoai
        if (separator1 == line_info[i] || separator2 == line_info[i]) { //co the
thay separator2 = line_info[len_line_info - 1].
            info_company.push_back(temp);
            temp = "";
        }
        else {
            temp = temp + line_info[i];
        }
    }

    company.name = info_company[0];
    company.profit_tax = info_company[1];
    company.address = info_company[2];
    return company;
}

vector<Company> ReadListCompany(string file_name) {

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    ifstream read_file;//Su dung thu vien fstream
    read_file.open(file_name + ".txt");//Mo file de doc. File nay phai de trong
    project Hash_Table. Neu khong phai dan duong dan tuyet doi.
    if (read_file.fail()) {
        cout << "Can not file !";
        exit(0);
    }
    string temp = "";
    getline(read_file, temp);//Loai bo dong dau tien
    vector<Company> list_company;//Khai bao vector list_company de tra ve danh
    sach cong ty.
    while (!read_file.eof()) { //Doc cho toi cuoi file thi dung
        temp = "";
        getline(read_file, temp);
        if (temp != "") { //
            list_company.push_back(ReadCompany(temp));
        }
    }
    read_file.close();//Mo file nho dong file

    return list_company;
}

```