#include <stdio.h>

#include<vector>

#include<iostream>

#include<ctime>

#include <iomanip>

#include <string.h>

#include <sstream>

using namespace std;

struct CSVDATA

{

int id1;

int id2;

int id3;

} ;

vector<CSVDATA> fread\_analyse(char const \*file)

{

FILE \*fp;

fp=fopen(file,"r");

fseek(fp,0,SEEK\_END); //把指针移动到文件的结尾

unsigned int len = ftell(fp); //获取文件长度

rewind(fp); //把指针移动到文件开头

char \*pbuf=new char[len];

string tm1,tm2,tm3,lineStr;

fread(pbuf,1,len ,fp);

vector<CSVDATA> csv1;

CSVDATA temp;

stringstream input(pbuf);

while(getline(input,tm1 , ',')) //将数据以逗号分割写入csvdata中

{

temp.id1=atoi(tm1.c\_str());

getline(input,tm2 , ',') ;

temp.id2=atoi(tm2.c\_str());

getline(input,tm3 , '\r') ;

temp.id3=atoi(tm3.c\_str());

csv1.push\_back(temp);

}

delete[] pbuf;

return csv1;

}

int main()

{

vector<struct CSVDATA> csvdata1; //存储t1

vector<struct CSVDATA> csvdata2; //存储t2

char const \*file1="/media/chen/F/C++/mycode/ztedatabase/input7.csv";

char const \*file2="/media/chen/F/C++/mycode/ztedatabase/input8.csv";

csvdata1=fread\_analyse(file1);

csvdata2=fread\_analyse(file2);

int a=csvdata1.size(),b=csvdata2.size();

cout<<a<<endl<<b<<endl;

cout<<csvdata1[a-1].id3<<" "<<csvdata2[b-1].id3<<endl;

cout << "The run time is:" << (double)clock() /CLOCKS\_PER\_SEC<< "s" << endl;

return 0;

}