// main.cpp

// proj1

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#include <iostream>

#include<cstdlib>

#include<ctime>

#include<fstream>

#include<string>

#include<iomanip>

using namespace std;

//////Functions////

struct data

{

int \*lines;

int \*commts;

};

void getTable(ifstream &intex)

{

int name, line, commt, size=17;

int \*lines= new int [size];

int \*commts=new int [size];

for(int r=0; r<size; r++)

{

lines[r]=0;

commts[r]=0;

}

cout<<"Programmer\t Lines of Code\t Lines of Comments"<<endl;

for ( int r=0; r<size; r++)

{

intex>>name>> line>> commt;

cout<<setw(5)<<name<<setw(15)<<line<<setw(15)<<commt<<endl;

lines[name-1]+=line; commts[name-1]+=commt;

}

int winner=0; bool won=false;

for(int r=0;r<size; r++)

{

if (lines[r]>=1000 & won==false)

{

int winner=0;

winner=lines[r];

won=true;

}

}

int ltotal=0;

int k=0; bool over=false;

for (int r=0; r<size; r++)

{

ltotal+=lines[r];

if(ltotal<winner)

k++;

if (ltotal>=winner && over==false)

{

k++;

over=true;

}

}

cout<<endl<<endl;

cout<<"Programmer\t Lines of Code\t Lines of Comments"<<endl;

for (int r=0; r<name; r++)

{

cout<<setw(5)<< r+1<<setw(15)<< lines[r]<<setw(15)<<commts[r]<<endl;

}

cout<<"It took programers 1 through "<< k << "to produce more than the winner"<<endl;

delete[] lines;

delete[] commts;

}

// main function

int main()

{

ifstream inData;

inData.open("/Users/Nia/Documents/csc326/proj1/proj1/Program11.txt");

if (!inData)

{

cout<<"Error! File not found!"<<endl;

return 1;

}

else if (inData.is\_open()) { /\* ok, proceed with output \*/ }

getTable(inData);

}