CSCI 240

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Properties: This project could compare the populations of vatious cities betwwen Toledo and Dayton on I-75.

Inputs: Cities name and their population.

Outputs: Cities name and population represented by '\*'

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#include <iostream>

#include <iomanip>

#include <string>

#include <fstream>

using namespace std;

int main() {

int pop;

int number;

int asterisk = 2000;

int highest1 = 0;

int highest2 = 0;

string highestcity1;

string highestcity2;

string city;

ifstream inFile("pop.dat");

cout << "Please enter how many people a asterisk represendt. " << endl;

cin >> asterisk;

cout << setw(29) << setfill(' ') << "City Populations" << setw(11) << setfill(' ') << " " << endl;

cout << setw(39) << setfill('-') << "-" << endl;

while(getline (inFile, city)){

inFile >> pop;

inFile.ignore();

number = pop / asterisk;

if (number > highest1){

highest2 = highest1;

highestcity2 = highestcity1;

highest1 = pop;

highestcity1 = city;

}

else if (number > highest2){

highest2 = pop;

highestcity2 = city;

}

cout << setw(15) << setfill(' ') << left << city ;

cout << setw(number) << setfill('\*') << "\*" << endl;

}

cout << setw(39) << setfill('-') << "-" << endl;

cout << "Key: (\*) -> " << asterisk << " people" << endl;

cout << endl;

cout << setw(20) << setfill(' ') << left << "Highest Population: " << "No.1 "<< setw(20) << highestcity1 << highest1 << endl;

cout << setw(20) << setfill(' ') << " " << "No.2 " << setw(20) << highestcity2 << highest2 << endl;

cout << endl;

cout << endl;

return 0;

}



