#include<iostream>

#include<fstream>

#include<sstream>

#include<string>

using namespace std;

int main(){

const int SIZE = 40;

string st[SIZE];

string f[SIZE][5];

int fC[SIZE] ={0};

ifstream in("Friends Dataset.csv");

for (int i = 0; i < SIZE; i++) {

string line;

getline(in, line);

stringstream ss(line);

getline(ss, st[i], ',');

for (int j = 0; j < 5; j++) {

getline(ss, f[i][j], ',');

}

}

for (int i = 0; i < SIZE; i++) {

for (int j = 0; j < SIZE; j++) {

for (int k = 0; k < 5; k++) {

if (f[j][k] == st[i]) {

fC[i]++;

}

}

}

}

int max = 0;

int maxFriends = 0;

for (int i = 0; i < SIZE; i++) {

if (fC[i] > maxFriends) {

maxFriends = fC[i];

max = i;

}

}

cout << st[max] << " is the most popular student with " << maxFriends << " friends." << endl;

return 0;

}