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\* Student.c 顺序查找算法

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#include <stdio.h>

#include <stdlib.h>

#include <string.h>

#define MAX\_NUM 20

typedef struct

{

int id,score;

char \*name;

}Student[MAX\_NUM];

typedef struct

{

Student stu;

}Class;

void putsStu(Class \*class,int n,int id,int score,char \*name)

{

if(!class) class = (Class\*)malloc(sizeof(Class));

class->stu[n].id = id;

class->stu[n].score = score;

class->stu[n].name = name;

}

void showStu(Class class,int n)

{

printf("\n===============Class==============\n");

printf("id=%d\t,score=%d\t,name=",class.stu[n].id,class.stu[n].score);

puts(class.stu[n].name);

printf("\n");

}

void Find(Class class,int id)

{

int i=0;

while(class.stu[i].id)

{

if(class.stu[i].id==id)

{

showStu(class,i);

}

i++;

}

}

int main()

{

Class class;

int i=0;

int id[] = {1024,1026,1028,1030,0};

int score[] = {100,60,100,60};

char \*name[] = {"small fishc","dance sun","black night","stray"};

printf("Student.c Test\n");

while(id[i])

{

//puts(name[i++]);

putsStu(&class,i,id[i],score[i],name[i]);

i++;

}

i = 0;

while(id[i])

{

showStu(class,i);

i++;

}

//puts(name[0]);

Find(class,1024);

return 0;

}