**学生成绩输入**

#include<stdio.h>

struct Student{

int code;

char name[20];

int score1,score2,score3;

float ave;

};

#define N 5

void main()

{

struct Student stu[N];

FILE \*fp;

int i;

fp=fopen("stud\_dat","w");

for(i=0;i<=N-1;i++)

{

printf("请输入第%d个学生的信息:(学号/姓名/成绩1/成绩2/成绩3)\n",i+1);

scanf("%d%s%d%d%d",&stu[i].code,stu[i].name,&stu[i].score1,&stu[i].score2,&stu[i].score3);

stu[i].ave=(stu[i].score1+stu[i].score2+stu[i].score3)/3;

fprintf(fp,"Code:%d\nName:%s\nSco1:%d\nSco2:%d\nSco3:%d\nAveS:%f\n",stu[i].code,stu[i].name,stu[i].score1,stu[i].score2,stu[i].score3,stu[i].ave);

}

fclose(fp);

}

**学生成绩排序并存储新文件**

#include<stdio.h>

#include<stdlib.h>

#define N 5

struct Student{

int code;

char name[20];

int score1,score2,score3;

float ave;

}stu[N];

int main()

{

int i,j,k;

FILE \*fp;

char c;

if((fp=fopen("stud\_dat","r"))==NULL)

{

printf("Can't open this file!\n");

exit(0);

}

for(i=0;i<=N-1;i++)

{

while(fscanf(fp,"%c",&c),c!=':'); //从左到右执行，最后一个当作条件

fscanf(fp,"%d",&stu[i].code);

while(fscanf(fp,"%c",&c),c!=':'); //说明读了东西(fscanf)以后，光标自动后移

fscanf(fp,"%s",stu[i].name);

while(fscanf(fp,"%c",&c),c!=':');

fscanf(fp,"%d",&stu[i].score1);

while(fscanf(fp,"%c",&c),c!=':');

fscanf(fp,"%d",&stu[i].score2);

while(fscanf(fp,"%c",&c),c!=':');

fscanf(fp,"%d",&stu[i].score3);

while(fscanf(fp,"%c",&c),c!=':');

fscanf(fp,"%f",&stu[i].ave);

}

fclose(fp);

struct Student temp;

for(i=0;i<=N-2;i++)

{

k=i;

for(j=i+1;j<=N-1;j++)

if(stu[j].ave<=stu[i].ave)

k=j;

temp=stu[k];

stu[k]=stu[i];

stu[i]=temp;

}

fp=fopen("stu\_sort2","w");

for(i=0;i<=N-1;i++)

fprintf(fp,"Code:%d\nName:%s\nSco1:%d\nSco2:%d\nSco3:%d\nAveS:%f\n",stu[i].code,stu[i].name,stu[i].score1,stu[i].score2,stu[i].score3,stu[i].ave);

fclose(fp);

return 0;}

Output：

Code:5

Name:ndb

Sco1:72

Sco2:49

Sco3:93

AveS:71.000000

Code:4

Name:xhy

Sco1:59

Sco2:78

Sco3:91

AveS:76.000000

Code:1

Name:yxw

Sco1:95

Sco2:89

Sco3:83

AveS:89.000000

Code:2

Name:xgy

Sco1:94

Sco2:86

Sco3:82

AveS:87.000000

Code:3

Name:ybh

Sco1:100

Sco2:100

Sco3:100

AveS:100.000000

**文件内容屏显：**

#include<stdio.h>

#include<stdlib.h>

#include<string.h>

void main()

{

int len;

FILE \*fp;

if((fp=fopen("stu\_sort1","rb"))==NULL)

{

printf("Can't open this file!");

exit(0);

}

fseek(fp,0,2);

len=ftell(fp);

char c[len];

rewind(fp);

fread(c,1,len,fp);

fclose(fp);

puts(c);

}

**字母ASCII排序：**

#include<stdio.h>

#include<stdlib.h>

int main()

{

int i;

FILE \*fp;

char x;

if((fp=fopen("ASCIItest","r"))==NULL)

{

printf("Can't open this file!\n");

exit(0);

}

int count[26]={0};

while(!feof(fp))

{

x=fgetc(fp);

count[x-'a']++;

}

for(i=0;i<=25;i++)

printf("%c:%d\n",i+'a',count[i]);

return 0;

}