Bai 1:

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

void input(FILE \*fp,float a[]);

void Read\_file(FILE \*fp,float a[]);

float tinhTong(float a[]);

int main()

{

FILE \*fp;

float a[100];

input(fp,a);

Read\_file(fp,a);

printf("\ntong binh phuong = %f",tinhTong(a));

return 0;

}

void input(FILE \*fp,float a[]){

fp=fopen("T:/INPUT.txt","w");

if(fp==NULL){

printf("\nfile khong ton tai");

exit(0);

}

printf("\nnhap 10 so thuc: ");

for(int i=0;i<10;i++){

scanf("%f",&a[i]);

fprintf(fp,"%f ",a[i]);

}

fclose(fp);

}

void Read\_file(FILE \*fp,float a[]){

fp=fopen("T:/INPUT.txt","r");

if(fp==NULL){

printf("\nfile khong ton tai");

exit(0);

}

int i=0;

while(fscanf(fp,"%f",&a[i])!=EOF)

{

printf("%f ",a[i]);

i++;

}

fclose(fp);

}

float tinhTong(float a[]){

float s=0;

for(int i=0;i<10;i++){

s+=a[i]\*a[i];

}

return s;

}

Bai 2:

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

typedef struct nhanvien{

char hoten[50];

int tuoi;

float luong;

};

void nhap1(nhanvien &a);

void nhapds(nhanvien a[],int &n);

void xuat1(nhanvien a);

void xuatds(nhanvien a[],int n);

void ghiFile(char name[],nhanvien a[],int n);

void docFile(char name[],nhanvien a[],int &n);

void them(char name[],nhanvien a[],int &n);

int main(){

char name[100];

nhanvien a[100];

int n;

nhapds(a,n);

printf("\nnhap file can ghi: ");scanf("%s",name);

ghiFile(name,a,n);

printf("\nnhap file can doc: ");scanf("%s",name);

docFile(name,a,n);

xuatds(a,n);

printf("\nthem vao 1 NV: ");

them(name,a,n);

return 0;

}

void nhap1(nhanvien &a){

printf("\nnhap ho ten: ");

fflush(stdin);

gets(a.hoten);

if(strlen(a.hoten)==0){

return;

}

do{

printf("\nnhap tuoi: ");scanf("%d",&a.tuoi);

}while(a.tuoi<=0);

do{

printf("\nnhap luong: ");scanf("%f",&a.luong);

}while(a.luong<=0);

}

void nhapds(nhanvien a[],int &n){

n=0;

while(1){

nhap1(a[n]);

if(strlen(a[n].hoten)==0){

return;

}

n++;

}

}

void xuat1(nhanvien a){

printf("\nho ten: %s",a.hoten);

printf("\ntuoi: %d",a.tuoi);

printf("\nluong: %f\n",a.luong);

}

void xuatds(nhanvien a[],int n){

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

xuat1(a[i]);

}

}

void ghiFile(char name[],nhanvien a[],int n){

FILE \*fp;

fp=fopen(name,"wb");

fwrite(a,sizeof(nhanvien),n,fp);

fclose(fp);

}

void docFile(char name[],nhanvien a[],int &n){

FILE \*fp;

fp=fopen(name,"rb");

fseek(fp,0,SEEK\_END);

n=ftell(fp)/sizeof(nhanvien);

rewind(fp);

fread(a,sizeof(nhanvien),n,fp);

fclose(fp);

}

void them(char name[],nhanvien a[],int &n){

FILE \*fp;

nhanvien nv;

fp=fopen(name,"ab");

fseek(fp,0,SEEK\_END);

n=ftell(fp)/sizeof(nhanvien);

rewind(fp);

while(1){

nhap1(nv);

if(strlen(nv.hoten)==0){

return;

}

n++;

fwrite(&nv,sizeof(nhanvien),1,fp);

}

fclose(fp);

}

Bai 3:

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

void input(FILE \*fp,float a[]);

void Read\_file(FILE \*fp,float a[]);

float tinhTong(float a[]);

void them(FILE \*fp,float a[],int &n);

int main()

{

FILE \*fp;

float a[100];

int n;

input(fp,a);

them(fp,a,n);

Read\_file(fp,a);

printf("\ntong binh phuong = %f",tinhTong(a));

return 0;

}

void input(FILE \*fp,float a[]){

fp=fopen("D:/INPUT.txt","w");

if(fp==NULL){

printf("\nfile khong ton tai");

exit(0);

}

printf("\nnhap 10 so thuc: ");

for(int i=0;i<10;i++){

scanf("%f",&a[i]);

fprintf(fp,"%f ",a[i]);

}

fclose(fp);

}

void Read\_file(FILE \*fp,float a[]){

fp=fopen("D:/INPUT.txt","r");

if(fp==NULL){

printf("\nfile khong ton tai");

exit(0);

}

int i=0;

while(fscanf(fp,"%f",&a[i])!=EOF)

{

printf("%f ",a[i]);

i++;

}

fclose(fp);

}

float tinhTong(float a[]){

float s=0;

for(int i=0;i<10;i++){

s+=a[i]\*a[i];

}

return s;

}

void them(FILE \*fp,float a[],int &n){

fp=fopen("D:/INPUT.txt","a");

if(fp==NULL){

printf("\nfile khong ton tai");

exit(0);

}

n=10;

float x;

printf("\nnhap gt them vao: ");scanf("%f",&x);

n++;

fprintf(fp,"%f",x);

fclose(fp);

}

Bài 4:

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

void input(FILE \*fp,char ch[]);

void Read\_file(FILE \*fp,char ch[]);

void coutchar(char ch[]);

int dem1(char ch[],char x);

int kt\_trung(char ch[],char x);

void xuatHien(char ch[]);

int main()

{

FILE \*fp;

char ch[100];

input(fp,ch);

Read\_file(fp,ch);

coutchar(ch);

xuatHien(ch);

return 0;

}

void input(FILE \*fp,char ch[]){

fp=fopen("D:/INPUT.txt","w");

if(fp==NULL){

printf("\nfile khong ton tai");

exit(0);

}

printf("\nnhap vao tap tin: ");fflush(stdin);

gets(ch);

fputs(ch,fp);

fclose(fp);

}

void Read\_file(FILE \*fp,char ch[]){

fp=fopen("D:/INPUT.txt","r");

if(fp==NULL){

printf("\nfile khong ton tai");

exit(0);

}

fgets(ch,100,fp);

puts(ch);

fclose(fp);

}

void coutchar(char ch[]){

int dem=0;

for(int i=0;i<strlen(ch);i++){

if(ch[i]!=' '||ch[i]!='/0'){

dem++;

}

}

printf("\nkhich thuoc: %d ki tu",dem);

}

int dem1(char ch[],char x){

int dem=0;

for(int i=0;i<strlen(ch);i++){

if(ch[i]==x)dem++;

}

return dem;

}

int kt\_trung(char ch[],int x){

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

if(ch[i]==ch[x])return 1;

}

return 0;

}

void xuatHien(char ch[]){

for(int i=0;i<strlen(ch);i++){

if(kt\_trung(ch,i)==0){

printf("\n%c : %d",ch[i],dem1(ch,ch[i]));

}

}

}

Bai 5:

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

typedef struct sinhvien{

char ho[10],ten[10];

float toan,tin;

};

void nhap1(sinhvien &a);

void nhapds(sinhvien a[],int &n);

void xuat1(sinhvien a);

void xuatds(sinhvien a[],int n);

void ghiFile(char name[],sinhvien a[],int n);

void docFile(char name[],sinhvien a[],int &n);

void sua(char name[],sinhvien a[],int &n);

int main(){

char name[100];

sinhvien a[100];

int n;

nhapds(a,n);

printf("\nnhap file can ghi: ");scanf("%s",name);

ghiFile(name,a,n);

printf("\nnhap file can doc: ");scanf("%s",name);

docFile(name,a,n);

xuatds(a,n);

sua(name,a,n);

return 0;

}

void nhap1(sinhvien &a){

printf("\nnhap ho lot: ");

fflush(stdin);

gets(a.ho);

if(strlen(a.ho)==0){

return;

}

printf("\nnhap ten: ");

fflush(stdin);

gets(a.ten);

do{

printf("\nnhap D.toan: ");scanf("%f",&a.toan);

}while(a.toan<0);

do{

printf("\nnhap D.tin: ");scanf("%f",&a.tin);

}while(a.tin<0);

}

void nhapds(sinhvien a[],int &n){

n=0;

while(1){

nhap1(a[n]);

if(strlen(a[n].ho)==0){

return;

}

n++;

}

}

void xuat1(sinhvien a){

printf("\nho ten: %s %s",a.ho,a.ten);

printf("\ndiem toan: %.2f",a.toan);

printf("\ndiem tin: %f\n",a.tin);

}

void xuatds(sinhvien a[],int n){

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

xuat1(a[i]);

}

}

void ghiFile(char name[],sinhvien a[],int n){

FILE \*fp;

fp=fopen(name,"wb");

fwrite(a,sizeof(sinhvien),n,fp);

fclose(fp);

}

void docFile(char name[],sinhvien a[],int &n){

FILE \*fp;

fp=fopen(name,"rb");

fseek(fp,0,SEEK\_END);

n=ftell(fp)/sizeof(sinhvien);

rewind(fp);

fread(a,sizeof(sinhvien),n,fp);

fclose(fp);

}

void sua(char name[],sinhvien a[],int &n){

FILE \*fp;

fp=fopen(name,"r+b");

fseek(fp,0,SEEK\_END);

n=ftell(fp)/sizeof(sinhvien);

//rewind(fp);

int i;

while(1){

printf("\nnhap vi tri can thay doi - press 0 de dung!");scanf("%d",&i);

if(i<=0||i>n)return;

fseek(fp,(i-1)\*sizeof(sinhvien),SEEK\_SET);

fread(&a[i],sizeof(sinhvien),1,fp);

xuat1(a[i]);

printf("\nthong tin cap nhat: ");

printf("\nnhap ho lot: ");

fflush(stdin);

gets(a[i].ho);

if(strlen(a[i].ho)==0){

return;

}

printf("\nnhap ten: ");

fflush(stdin);

gets(a[i].ten);

do{

printf("\nnhap D.toan: ");scanf("%f",&a[i].toan);

}while(a[i].toan<0);

do{

printf("\nnhap D.tin: ");scanf("%f",&a[i].tin);

}while(a[i].tin<0);

fseek(fp,(i-1)\*sizeof(sinhvien),SEEK\_SET);

fwrite(&a[i],sizeof(sinhvien),1,fp);

}

fclose(fp);

}

void xoa(char file[],sv a[],int &n){

FILE \*fp;

fp=fopen(file,"rb");

fseek(fp,0,SEEK\_END);

n=ftell(fp)/sizeof(sv);

rewind(fp);

int vt;

printf("\nnhap vao vi tri can xoa: ");scanf("%d",&vt);

if(vt!=vt\*sizeof(sv)){

fread(a,sizeof(sv),1,fp);

}

n--;

fclose(fp);

}

Bai 6

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

void input(char \*f,char ch[]);

void Read\_file(char \*f,char ch[]);

int main()

{

char f[100];

char ch[100];

// printf("\nghi tep: ");fflush(stdin);

// gets(f);

//input(f,ch);

printf("\ndoc tep: ");fflush(stdin);

gets(f);

Read\_file(f,ch);

return 0;

}

void input(char \*f,char ch[]){

FILE \*fp;

fp=fopen(f,"w");

if(fp==NULL){

printf("\nfile khong ton tai");

exit(0);

}

printf("\nnhap vao tap tin: ");fflush(stdin);

gets(ch);

fputs(ch,fp);

fclose(fp);

}

void Read\_file(char \*f,char ch[]){

FILE \*fp;

fp=fopen(f,"r");

if(fp==NULL){

printf("\nfile khong ton tai");

exit(0);

}

fgets(ch,100,fp);

printf("cac ki tu chu va so:");

for(int i=0;i<strlen(ch);i++){

if((ch[i]>='a'&&ch[i]<='z')||(ch[i]>='0'&&ch[i]<='9')){

printf("%c",ch[i]);

}

}

fclose(fp);

}