Append.c

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

#include"header.h"

typedef struct shares{

int sno;

char name[20];

int open;

int high;

int low ;

int prev\_close;

int volume;

}shares;

void append(){

shares \*s;

FILE \*fp;

int n, i, j;

int total=20;

printf("ENTER HOW MANY SHARED YOU WANT ADD: ");

scanf("%d",&n);

s = (shares\*)calloc(n, sizeof(shares));

fp =fopen("output.txt","a");

fseek(fp,0,SEEK\_END);

j=ftell(fp)/sizeof(shares);

int allowed\_count=total-j;

printf("\nNO OF RECORDS=%d",j);

printf("\nYOU ARE ALLOWED TO ENTER ONLY =%d",allowed\_count);

if (n<=allowed\_count){

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

printf("\nENTER STOCK ID: ");

scanf("%d",&s[i].sno);

fflush(stdin);

printf("ENTER STOCK NAME: ");

scanf("%s",s[i].name);

fflush(stdin);

printf("ENTER STOCK OPEN: ");

scanf("%d",&s[i].open);

fflush(stdin);

printf("ENTER STOCK HIGH: ");

scanf("%d",&s[i].high);

fflush(stdin);

printf("ENTER STOCK LOW: ");

scanf("%d",&s[i].low);

fflush(stdin);

printf("ENTER STOCK PREV\_CLOSE: ");

scanf("%d",&s[i].prev\_close);

fflush(stdin);

printf("ENTER STOCK VOLUME: ");

scanf("%d",&s[i].volume);

fwrite(&s[i],sizeof(shares),1,fp);

}

fclose(fp);

}else{

printf("\nYOU ENTERED MORE THAN LIMIT =%d",allowed\_count);

fclose(fp);

}

}

Create.c

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

#include"header.h"

typedef struct shares{

int sno;

char name[20];

int open;

int high;

int low ;

int prev\_close;

int volume;

}shares;

void create(){

shares \*s;

FILE \*fp;

int n, i, j;

n=20;

printf("ENTER HOW MANY SHARES YOU WANT: ");

scanf("%d",&n);

if(n<=20){

s = (shares\*)calloc(n, sizeof(shares));

fp =fopen("output.txt","w");

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

printf("ENTER STOCK ID: ");

scanf("%d",&s[i].sno);

fflush(stdin);

printf("ENTER STOCK NAME: ");

scanf("%s",s[i].name);

fflush(stdin);

printf("ENTER STOCK OPEN: ");

scanf("%d",&s[i].open);

fflush(stdin);

printf("ENTER STOCK HIGH: ");

scanf("%d",&s[i].high);

fflush(stdin);

printf("ENTER STOCK LOW: ");

scanf("%d",&s[i].low);

fflush(stdin);

printf("ENTER STOCK PREV\_CLOSE: ");

scanf("%d",&s[i].prev\_close);

fflush(stdin);

printf("ENTER STOCK VOLUME: ");

scanf("%d",&s[i].volume);

fwrite(&s[i],sizeof(shares),1,fp);

}

fclose(fp);

}else{

printf("PLEASE ENTER ONLY BELOW 20 STOCKS ONLY: ");

}

}

Delete.c

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

#include"header.h"

typedef struct shares{

int sno;

char name[20];

int open;

int high;

int low ;

int prev\_close;

int volume;

}shares;

void delete\_rec(){

shares s1;

FILE \*fp, \*fp1;

int j, sno, found=0;

fp = fopen ("output.txt","r");

fp1 = fopen ("temp.txt","w");

printf("ENTER STOCK ID TO DELETE: ");

scanf("%d",&sno);

while(fread(&s1,sizeof(shares),1,fp)){

if (s1.sno == sno){

found=1;

}else

fwrite (&s1,sizeof(shares),1,fp1);

}

fclose(fp);

fclose(fp1);

if(found) {

fp1 = fopen("temp.txt","r");

fp = fopen("output.txt","w");

while (fread(&s1,sizeof(shares),1,fp1)){

fwrite(&s1,sizeof(shares),1,fp);

}

fclose(fp);

fclose(fp1);

}else

printf("\nRECORD NOT FOUND");

}

Display.c

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

#include"header.h"

typedef struct shares{

int sno;

char name[20];

int open;

int high;

int low ;

int prev\_close;

int volume;

}shares;

void display(){

int j;

shares s1;

FILE \*fp;

fp = fopen ("output.txt","r");

printf("\n%10s %10s %10s %10s %10s %10s %10s","STOCK\_ID|","STOCK\_NAME|","STOCK\_OPEN|","STOCK\_HIGH|","STOCK\_LOW|","STOCK\_PREV\_CLOSE|","STOCK\_VOLUME");

while(fread(&s1,sizeof(shares),1,fp)){

printf("\n%-10d%-10s%10d%10d%10d%10d%20d",s1.sno,s1.name,s1.open,s1.high,s1.low,s1.prev\_close,s1.volume);

}

fclose(fp);

}

Header.h

void create();

void display();

void append();

void update();

void delete\_rec();

main.c

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

#include"header.h"

int main(){

int ch;

do{

printf("\n1.CREATE");

printf("\n2.DISPLAY");

printf("\n3.APPEND");

printf("\n4.UPDATE");

printf("\n5.DELETE");

printf("\n0.EXIST");

printf("\nENTER YOUR CHOICE: ");

scanf("%d",&ch);

switch (ch){

case 1:

create();

break;

case 2:

display();

break;

case 3:

append();

break;

case 4:

update();

break;

case 5:

delete\_rec();

break;

}

}while(ch!=0);

return 0;

}

Update.c

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

#include"header.h"

typedef struct shares{

int sno;

char name[20];

int open;

int high;

int low ;

int prev\_close;

int volume;

}shares;

void update(){

shares s1;

FILE \*fp, \*fp1;

int j, sno, found=0;

fp = fopen ("output.txt","r");

fp1 = fopen ("temp.txt","w");

printf("ENTER STOCK\_ID TO UPDATE: ");

scanf("%d",&sno);

while(fread(&s1,sizeof(shares),1,fp)){

if (s1.sno == sno){

found=1;

fflush(stdin);

printf("ENTER NEW STOCK NAME: ");

scanf("%s",s1.name);

fflush(stdin);

printf("ENTER STOCK OPEN: ");

scanf("%d",&s1.open);

fflush(stdin);

printf("ENTER STOCK HIGH: ");

scanf("%d",&s1.high);

fflush(stdin);

printf("ENTER STOCK LOW: ");

scanf("%d",&s1.low);

fflush(stdin);

printf("ENTER STOCK PREV\_CLOSE: ");

scanf("%d",&s1.prev\_close);

fflush(stdin);

printf("ENTER STOCK VOLUME: ");

scanf("%d",&s1.volume);

}

fwrite (&s1,sizeof(shares),1,fp1);

}

fclose(fp);

fclose(fp1);

if(found) {

fp1 = fopen("temp.txt","r");

fp = fopen("output.txt","w");

while (fread(&s1,sizeof(shares),1,fp1)){

fwrite(&s1,sizeof(shares),1,fp);

}

fclose(fp);

fclose(fp1);

}else

printf("\nRECORD NOT FOUND");

}