NAME: ABIN SHOBY

ROLL NO: 21006

EXPERIMENT NO:21

PROGRAM:

#include<stdio.h>

#include<conio.h>

#include<string.h>

typedef struct custrec

{

char accno[7];

int balance;

char state;

}rec;

void menu();

void add(char [4]);

void update();

void disp(rec r);

void main()

{

clrscr();

menu();

fcloseall();

getch();

}

void add(char s[4])

{

rec r;

FILE \*p;

char accno[5];

int i;

printf("\n Acc no:");

scanf("%s",&accno);

strcpy(r.accno,"no");

strcat(r.accno,accno);

printf("\n Balance:");

scanf("%d",&r.balance);

printf("\n state(active(1)/closed(0)):");

r.state=getche();

if((p=fopen("custrecord.dat",s))==NULL)

{

printf("\n Error opening file..");

getch();

menu();

}

else

fwrite(&r,sizeof(r),1,p);

fclose(p);

printf("\n The record was added sucessfully..");

getch();

clrscr();

}

void update()

{

rec r;

int pos=-1,i;

char acc[5];

FILE \*p;

printf("\n Enter the account no you want to update:");

scanf("%s",&acc);

if((p=fopen("custrecord.dat","rb+"))==NULL)

{

printf("\n Error opening file...");

getch();

clrscr();

menu();

}

else

{

fseek(p,0,0);

while(!feof(p))

{

fread(&r,sizeof(r),1,p);

if(strcmp(r.accno,strcat("no",acc))==0)

{

disp(r);

pos=ftell(p);

break;

}

else

pos=-1;

}

if(pos!=-1)

{

fflush(stdin);

printf("\n");

printf("\n Enter new details for the record:");

printf("\n Balance:");

scanf("%d",&r.balance);

printf("\n State(acive(1)/closed(0)):");

r.state=getche();

fseek(p,pos-sizeof(r),0);

fwrite(&r,sizeof(r),1,p);

printf("\n The record updated successfully..");

getch();

}

else

{

printf("\n The record was not found...");

getch();

clrscr();

menu();

}

fclose(p);

}

}

void disp(rec r)

{

printf("\n Details of customer:");

printf("\n Accno:");

puts(r.accno);

printf("\n Balance:%d",r.balance);

if(r.state=='1')

printf("\n State:active");

else

printf("\n State:closed");

}

void menu()

{

int op,i,no;

printf("\n 1.store customer record\n 2.Update a record\n 3.Append a record");

printf("\n Enter your choice...");

scanf("%d",&op);

if(op==1)

{

printf("\n Enter no of records:");

scanf("%d",&no);

for(i=0;i<no;i++)

{

printf("\n Enter details for customer %d",i+1);

if(i==0)

add("wb+");

else

add("ab+");

}

menu();

}

else if(op==2)

{

update();

}

else if(op==3)

{

printf("\n\n Enter customer details:");

add("ab");

menu();

}

else

printf("\n invalid option");

}

OUTPUT: