**Project: Simple Result system**

**CODE:**

#include<stdio.h>

#include<conio.h>

#include<stdlib.h>

#include<windows.h>

#include<string.h>

void gotoxy(int ,int );

void menu();

void add();

void view();

void search();

void modify();

void deleterec();

struct student

{

char name[20];

char mobile[10];

int rollno;

char course[20];

char branch[20];

};

int main()

{

gotoxy(15,8);

printf("<--:Student Record Management System:-->");

gotoxy(19,15);

printf("Press any key to continue.");

getch();

menu();

return 0;

}

void menu()

{

int choice;

system("cls");

gotoxy(10,3);

printf("<--:MENU:-->");

gotoxy(10,5);

printf("Enter appropriate number to perform following task.");

gotoxy(10,7);

printf("1 : Add Record.");

gotoxy(10,8);

printf("2 : View Record.");

gotoxy(10,9);

printf("3 : Search Record.");

gotoxy(10,10);

printf("4 : Modify Record.");

gotoxy(10,11);

printf("5 : Delete.");

gotoxy(10,12);

printf("6 : Exit.");

gotoxy(10,15);

printf("Enter your choice.");

scanf("%d",&choice);

switch(choice)

{

case 1:

add();

break;

case 2:

view();

break;

case 3:

search();

break;

case 4:

modify();

break;

case 5:

deleterec();

break;

case 6:

exit(1);

break;

default:

gotoxy(10,17);

printf("Invalid Choice.");

}

}

void add()

{

FILE \*fp;

struct student std;

char another ='y';

system("cls");

fp = fopen("record.txt","ab+");

if(fp == NULL){

gotoxy(10,5);

printf("Error opening file");

exit(1);

}

fflush(stdin);

while(another == 'y')

{

gotoxy(10,3);

printf("<--:ADD RECORD:-->");

gotoxy(10,5);

printf("Enter details of student.");

gotoxy(10,7);

printf("Enter Name : ");

gets(std.name);

gotoxy(10,8);

printf("Enter Mobile Number : ");

gets(std.mobile);

gotoxy(10,9);

printf("Enter Roll No : ");

scanf("%d",&std.rollno);

fflush(stdin);

gotoxy(10,10);

printf("Enter Course : ");

gets(std.course);

gotoxy(10,11);

printf("Enter Branch : ");

gets(std.branch);

fwrite(&std,sizeof(std),1,fp);

gotoxy(10,15);

printf("Want to add of another record? Then press 'y' else 'n'.");

fflush(stdin);

another = getch();

system("cls");

fflush(stdin);

}

fclose(fp);

gotoxy(10,18);

printf("Press any key to continue.");

getch();

menu();

}

void view()

{

FILE \*fp;

int i=1,j;

struct student std;

system("cls");

gotoxy(10,3);

printf("<--:VIEW RECORD:-->");

gotoxy(10,5);

printf("S.No Name of Student Mobile No Roll No Course Branch");

gotoxy(10,6);

printf("--------------------------------------------------------------------");

fp = fopen("record.txt","rb+");

if(fp == NULL){

gotoxy(10,8);

printf("Error opening file.");

exit(1);

}

j=8;

while(fread(&std,sizeof(std),1,fp) == 1){

gotoxy(10,j);

printf("%-7d%-22s%-12s%-9d%-12s%-12s",i,std.name,std.mobile,std.rollno,std.course,std.branch);

i++;

j++;

}

fclose(fp);

gotoxy(10,j+3);

printf("Press any key to continue.");

getch();

menu();

}

void search()

{

FILE \*fp;

struct student std;

char stname[20];

system("cls");

gotoxy(10,3);

printf("<--:SEARCH RECORD:-->");

gotoxy(10,5);

printf("Enter name of student : ");

fflush(stdin);

gets(stname);

fp = fopen("record.txt","rb+");

if(fp == NULL){

gotoxy(10,6);

printf("Error opening file");

exit(1);

}

while(fread(&std,sizeof(std),1,fp ) == 1){

if(strcmp(stname,std.name) == 0){

gotoxy(10,8);

printf("Name : %s",std.name);

gotoxy(10,9);

printf("Mobile Number : %s",std.mobile);

gotoxy(10,10);

printf("Roll No : %d",std.rollno);

gotoxy(10,11);

printf("Course : %s",std.course);

gotoxy(10,12);

printf("Branch : %s",std.branch);

}

}

fclose(fp);

gotoxy(10,16);

printf("Press any key to continue.");

getch();

menu();

}

void modify()

{

char stname[20];

FILE \*fp;

struct student std;

system("cls");

gotoxy(10,3);

printf("<--:MODIFY RECORD:-->");

gotoxy(10,5);

printf("Enter name of student to modify: ");

fflush(stdin);

gets(stname);

fp = fopen("record.txt","rb+");

if(fp == NULL){

gotoxy(10,6);

printf("Error opening file");

exit(1);

}

rewind(fp);

fflush(stdin);

while(fread(&std,sizeof(std),1,fp) == 1)

{

if(strcmp(stname,std.name) == 0){

gotoxy(10,7);

printf("Enter name: ");

gets(std.name);

gotoxy(10,8);

printf("Enter mobile number : ");

gets(std.mobile);

gotoxy(10,9);

printf("Enter roll no : ");

scanf("%d",&std.rollno);

gotoxy(10,10);

printf("Enter Course : ");

fflush(stdin);

gets(std.course);

gotoxy(10,11);

printf("Enter Branch : ");

fflush(stdin);

gets(std.branch);

fseek(fp ,-sizeof(std),SEEK\_CUR);

fwrite(&std,sizeof(std),1,fp);

break;

}

}

fclose(fp);

gotoxy(10,16);

printf("Press any key to continue.");

getch();

menu();

}

void deleterec()

{

char stname[20];

FILE \*fp,\*ft;

struct student std;

system("cls");

gotoxy(10,3);

printf("<--:DELETE RECORD:-->");

gotoxy(10,5);

printf("Enter name of student to delete record : ");

fflush(stdin);

gets(stname);

fp = fopen("record.txt","rb+");

if(fp == NULL){

gotoxy(10,6);

printf("Error opening file");

exit(1);

}

ft = fopen("temp.txt","wb+");

if(ft == NULL){

gotoxy(10,6);

printf("Error opening file");

exit(1);

}

while(fread(&std,sizeof(std),1,fp) == 1){

if(strcmp(stname,std.name)!=0)

fwrite(&std,sizeof(std),1,ft);

}

fclose(fp);

fclose(ft);

remove("record.txt");

rename("temp.txt","record.txt");

gotoxy(10,10);

printf("Press any key to continue.");

getch();

menu();

}

void gotoxy(int x,int y)

{

COORD c;

c.X=x;

c.Y=y;

SetConsoleCursorPosition(GetStdHandle(STD\_OUTPUT\_HANDLE),c);

}