//FILE MANAGEMENT OF STUDENTS RECORD IN C#include<stdio.h>#include<conio.h>void addstudent();void studentrecord();void searchstudent();void deletestudent(); struct student { char name[20]; int roll\_no; char course[15]; float percentage; }; void main() { int choice; clrscr(); while(choice!=5) { printf("1.add student record\n"); printf("2.student record\n"); printf("3.search student\n"); printf("4.delete record\n"); printf("5.exit\n"); printf("\n ENTER OPERATION YOU WANT TO PERFORM: "); scanf("%d", &choice); switch(choice) { case 1: clrscr(); addstudent(); clrscr(); break; case 2: clrscr(); studentrecord(); printf("press any key to exit\n"); getch(); clrscr(); break; case 3: clrscr(); searchstudent(); printf("\n press any key to exit\n"); getch(); clrscr(); break; case 4: clrscr(); deletestudent(); printf("\n press any key to exit\n"); getch(); clrscr(); break; default: clrscr(); getch(); printf("enter a valid number"); printf("press any key to continue"); getch(); clrscr(); break; } } } void addstudent() { char another; FILE \*fp; struct student info; do { clrscr(); printf("add student info \n "); fp=fopen("student info","a"); printf("\n Enter Name: "); scanf("%s", &info.name); printf("\n enter roll number: "); scanf("%d", &info.roll\_no); printf("\n enter course\n "); scanf("%s", &info.course); printf("\n enter percentage"); scanf("%f", &info.percentage); if(fp==NULL) { fprintf(stderr, "\n can't open the file"); } else { printf("\n record stored successfully "); } fwrite(&info, sizeof (struct student),1,fp); fclose(fp); printf("\n do you want to add another record (y\n): "); scanf("%s", &another); }while (another=='y' || another == 'Y'); } void studentrecord() { FILE \*fp; struct student info; fp=fopen("STUDENT INFO", "r"); printf("student records\n\n"); if(fp==NULL) { fprintf(stderr, "can't open the file"); } else { printf("records\n "); printf("-------------------\n \n "); } while (fread(&info,sizeof(struct student),1,fp)) { printf("\n student name : %s", info.name); printf("\n roll number: %d", info.roll\_no); printf("\n course : %s", info.course); printf("\n percentage : %f", info.percentage); printf("\n ---------------------------"); } fclose (fp); getch(); } void searchstudent() { FILE \*fp; struct student info; int roll\_no, found = 0; fp=fopen("student info", "r"); printf("\n search student \n \n"); printf("enter roll number: "); scanf("%d", &roll\_no); while(fread(&info,sizeof(struct student),1,fp)) { found=1; printf("\n student name : %s", info.name); printf("\n roll number: %d" , info.roll\_no); printf("\n course : %s", info.course); printf("\n percentage: %f", info.percentage); } if (!found) { printf("\n record not found"); } fclose(fp); getch(); } void deletestudent() { FILE \*fp, \*fp1; struct student info; int roll\_no, found=0; printf("delete student \n\n"); fp=fopen("student info", "r"); fp1=fopen("temp.text", "w"); printf("Enter roll no: "); scanf("%d", &roll\_no); if(fp==NULL) { fprintf(stderr, "can't open file\n"); } while (fread(&info, sizeof(struct student),1,fp)) { if(info.roll\_no == roll\_no) { found = 1; } else { fwrite(&info, sizeof(struct student),1,fp1); } } fclose(fp); fclose(fp1); if(found) { remove("studentinfo"); rename("temp.text", "studentinfo"); printf("record deleted successfully"); } if(!found) { printf("record not found"); } getch(); }