```c
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
#define HEADSIZE sizeof(int)
typedef struct
{
        int deleted;
        char name[100];
        int age;
        float sal;
        int id;
}emp;
void inputdata(emp *ep)
{
        printf("enter employee's name:");
        fflush(stdin);
        gets(ep->name);
        printf("enter employee's age:");
        scanf("%d",&ep->age);
        printf("enter employee's salary:");
        scanf("%f",&ep->sal);
        printf("enter employee's id:");
        scanf("%d",&ep->id);
        ep->deleted=0;
}
void printdata(emp *e)
{
        printf(" employee's name is %s\nage is %d\nsalary is %7.2f\nid is %d\n",e->name,e->age,e->sal,e->id);
}
/*int searchbyname(FILE *fp,char *name)
{
        emp e;
        while(!feof(fp))
        {
                fread(&e,sizeof(emp),1,fp);
                if(!e.deleted && strcmpi(e.name,name))
                {
                        fseek(fp,-sizeof(emp),SEEK_CUR);
                        return 1;
                }
        }
                return 0;
}*/
int main()
{
        int ch,i,nrec=0;
        char name[50];
        emp e;
        const char *a="c:\\users\\lenovo\\desktop\\riddhi.txt";
        FILE *fp;
        fp=fopen(a,"r+b"); //if file exists open in read-write mode.(read is piority)
        if(fp==NULL)  //file does not exist.write-read mode.
                {
                        fclose(fp);
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                    fp=fopen(a,"w+b");

            }
            else
            {
                    fseek(fp,0,SEEK_SET);
                    fread(&nrec,sizeof(int),1,fp);
                    printf("no of records=%d\n",nrec);
            }

    while(1)
    {
            printf("1.Add\n2.Display all\n3.Search by id\n4.Dispaly ith record\n5.Search by
name\n6.Edit\n7.Delete\n8.Exit\n");
            printf("enter choice:");
            scanf("%d",&ch);
            switch(ch)
            {
                    case 1: inputdata(&e);              //Add record.
                            fseek(fp,0,SEEK_SET);
                            nrec++;
                            printf("from add,nrec=%d\n",nrec);
                            fwrite(&nrec,sizeof(int),1,fp);
                            fseek(fp,HEADSIZE+(nrec-1)*sizeof(emp),SEEK_SET);
                            fwrite(&e,sizeof(emp),1,fp);
                            break;
                    case 2: fseek(fp,HEADSIZE,SEEK_SET);         //Display All.
                            printf("display all,nrec=%d\n",nrec);
                            for(i=1;i<=nrec;i++)
                            {
                                    fread(&e,sizeof(emp),1,fp);
                                    if(!e.deleted)
                                            printdata(&e);
                            }
                            break;
                    case 3: int id;                                    //Search by id.
                            printf("enter id you want to search:");
                            scanf("%d",&id);
                            fseek(fp,HEADSIZE,SEEK_SET);
                            for(i=1;i<=nrec;i++)
                            {
                                    fread(&e,sizeof(emp),1,fp);
                                    if(!e.deleted && e.id==id)
                                    {
                                            printdata(&e);
                                            break;
                                    }
                            }
                            if(i>nrec)
                                    printf("Record not found");
                            break;
                    case 4:  int p;          //Display ith record.
                            printf("enter record no you want to display:");
                            scanf("%d",&p);
                            if(p<=nrec)
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                                {
                                        fseek(fp,HEADSIZE+(p-
1)*sizeof(emp),SEEK_SET);

                                        fread(&e,sizeof(emp),1,fp);
                                        printdata(&e);
                                }
                                else
                                        printf("Record not found");
                                break;
                case 5:                 //Search by name.
                                printf("enter the name you want to search:");
                                gets(name);
                                fseek(fp,HEADSIZE,SEEK_SET);
                                for(i=1;i<=nrec;i++)
                                {
                                        fread(&e,sizeof(emp),1,fp);
                                        if(!e.deleted && strcmpi(e.name,name)==0)
                                        {
                                                printdata(&e);
                                                break;
                                        }
                                }
                                if(i>nrec)
                                        printf("Record not found");
                                break;
                case 6:                 //Edit by name.
                                printf("enter the name you want to edit:");
                                fflush(stdin);
                                gets(name);
                                fseek(fp,HEADSIZE,SEEK_SET);
                                for(i=1;i<=nrec;i++)
                                {
                                        fread(&e,sizeof(emp),1,fp);
                                        if(!e.deleted && strcmpi(e.name,name)==0)
                                        {
                                                fseek(fp,-sizeof(emp),SEEK_CUR);
                                                inputdata(&e);
                                                fwrite(&e,sizeof(emp),1,fp);
                                                break;
                                        }
                                }
                                if(i>nrec)
                                        printf("Record not found");
                                break;
                case 7:                 //Delete by name.
                                printf("enter the name you want to delete:");
                                fflush(stdin);
                                gets(name);
                                fseek(fp,HEADSIZE,SEEK_SET);
                                for(i=1;i<=nrec;i++)
                                {
                                        fread(&e,sizeof(emp),1,fp);
                                        if(!e.deleted && strcmpi(e.name,name)==0)
                                        {
                                                e.deleted=1;
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                                              fseek(fp,-sizeof(emp),SEEK_CUR);
                                              fwrite(&e,sizeof(emp),1,fp);
                                              printf("%dth record deleted\n",i);
                                              break;
                                   }
                          }
                          if(i>nrec)
                                   printf("Record not found");
                          break;
                 case 8: exit(1);
         }
    }
}
```