

# **National University Of Computer And Emerging Sciences**



## **Prison Management System Project Report Programming Fundamentals (Lab) Class-Section: BSE-1A**

**Date: 6-12-2022**

### **Participants:-**

**22K-5158 Huzaifa Kashif  
22K-5173 Omer Ayaz Khan  
22K-4809 Munawar Shireen**

# 1.Introduction:-

Prison Management System is a program created to add and safeguard the records of each and every prisoner of a prison, to efficiently search any prisoner's record without any complications, to view and to edit these records if needed, and to delete any of the following prisoners' records due to any reason.

## 2.Goals/Objectives:-

- To make the management of prisons more user-friendly, effective, and efficient.
- To replace the manual method of prison management with a well managed, computerized system.
- To enable the option of quick access of any prisoner's data and records.
- To safeguard and secure the records of each and every prisoner.

## 3.Project Description:-

- **User-defined functions** are used for logging into the system,for exiting the system, and also for adding, searching, viewing, editing, and deleting the records of the prisoners.**Main function** acts as the main menu for accessing the above mentioned user-defined functions (add, search, view, edit, delete, and exit functions).

- **Pre-defined functions (such as string functions, fflush() )** are used for efficiently collecting and processing the entered prisoner's data.
- **Structure and arrays** are used for grouping several related information of each and every prisoner into a single place. Structures are also utilized for containing each and every piece of a prisoner's data together which are of different data-types.
- **Filing** is utilized in almost every function for preserving every prisoner's data after we run the program and end it. It also saves time, as file-handling allows the user to easily access a part of any prisoner's data using individual commands (such as ID or Name of the prisoner).
- **Pointers** are also utilized in file-handling.
- **Decision-making statements (if-else statements, and switch statements)** are put to use for asking the user's choice, and also for accessing any part of the program, if all the necessary requirements are met by the program, and the user.
- **Loops** are utilized, for processing each and every action and response of the user, iterating the statements, and for repeating any part of the program, until any of the required conditions are met by the program, and the user.

## 4. Technology and Tools:-

**Programming Language :-** C language

**Platform(OS) :-** Windows 10 Pro

**Application :-** Embarcadero Dev-C++

## **5.Project Breakdown:-**

- Concepts, ideas and materials for the Prison Management system were found and gathered by *Munawar Shireen*.
- Project, proposal, and report were built and written by *Huzaifa Kashif*.
- Project was made more efficient, and the presentation was built by *Omer Ayaz Khan*.
- Project was finalized through *teamwork and team effort*.

## **6.Results:-**

The end result of our team effort is a program that can effectively, and efficiently store, manage, preserve, and access the records and data of any prisoner. This program is a demonstration of how each and every concept, and component which is contained within C can be utilized together to create an effective, efficient, and a practical program.

## **7.Project Snippets:-**

- **Program**

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E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

=====LOGIN=====

Enter Username: user

Enter Password: ****

Login Successful.....Welcome To Prison Management System.
Press ANY key to proceed.....
```

```
E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

*****
*      WELCOME TO PRISON MANAGEMENT SYSTEM      *
*****

MAIN MENU:-
Add Prisoner Record-----(1)
Search Prisoner Record----(2)
View Prisoner Record-----(3)
Edit Prisoner Record----(4)
Delete Prisoner Record-----(5)
Exit System----- (6)

Enter Choice:
```

```
E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

*****
*      ADD RECORD      *
*****

Enter The First Name Of The Prisoner: huzaifa
Enter Prisoner's ID: 22k-5158
Enter the prisoner's name: huzaifa
Enter age: 18
Enter gender: male
Enter height(feet and inches): 5'9"
Enter weight(kg): 50
Enter eye colour: brown
Enter hair colour: brown
Enter blood-type: AB+
Enter crime: FAST
```

```
E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

Enter the starting date of punishment: 6-9-18
Enter the ending date of punishment: 9-6-19
Enter any relative (only one)(with phone no.): Kashif-123456
Prisoner's Record Has Been Added.
Do you wish to add another record?[Y/N]:
Enter Prisoner's ID: 22k-4809
Enter the prisoner's name: munawar
Enter age: 19
Enter gender: male
Enter height(feet and inches): 5'4"
Enter weight(kg): 67
Enter eye colour: black
Enter hair colour: black
Enter blood-type: A+
Enter crime: NUET
Enter court: High
```

```
E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

Enter hair colour: black
Enter blood-type: A+
Enter crime: NUET
Enter court: High
Enter lawyer: OM
Enter the starting date of punishment: 7-5-20
Enter the ending date of punishment: 5-7-21
Enter any relative (only one)(with phone no.): Shireen-897656
Prisoner's Record Has Been Added.

Do you wish to add another record?[Y/N]:
Press Any Key To Exit.....
```

```
E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

*****
* SEARCH RECORD *
*****

ENTER THE PRISONER NAME TO BE SEARCHED:munawar
Enter The Prisoner's ID: 22k-4809
```

```
E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

Prisoner's Record is:
Prisoner's name: munawar
Prisoner's ID: 22k-4809

Prisoner's Age: 19
Prisoner's Gender: male
Prisoner's Height: 5'4"
Prisoner's Weight: 67
Prisoner's Eyecolour: black
Prisoner's Haircolour: black
Prisoner's Court: High
Prisoner's Crime: NUET
Prisoner's Lawyer: OM
Prisoner's Starting Date Of Punishment: 7-5-20
Prisoner's Ending Date Of Punishment: 5-7-21
Prisoner's Relative (with phone number): Shireen-897656
Prisoner's Bloodtype is: A+

Continue viewing?...[Y/N]:
```

```
E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

*****
* VIEW RECORD *
*****

Press the SPACE key to load other prisoners'

Prisoner's Name: huzaifa
Prisoner's ID: 22k-5158
Prisoner's Age: 18
Prisoner's Gender: male
Prisoner's Height: 5'9"
Prisoner's Weight: 50
Prisoner's Eyecolour: brown
Prisoner's Haircolour: brown
Prisoner's Crime: FAST
Prisoner's Court: Supreme
Prisoner's Lawyer: UZ
Prisoner's Starting Date Of Punishment: 6-9-18
Prisoner's Ending Date Of Punishment: 9-6-19
Prisoner's Relative (phone-number): Kashif-123456
Prisoner's Bloodtype: AB+
```



```
E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

Prisoner's Haircolour:brown
Prisoner's Crime: FAST
Prisoner's Court: Supreme
Prisoner's Lawyer: UZ
Prisoner's Starting Date Of Punishment: 6-9-18
Prisoner's Ending Date Of Punishment: 9-6-19
Prisoner's Relative (phone-number): Kashif-123456
Prisoner's Bloodtype: AB+

Press the SPACE key to load other prisoners'

Prisoner's Name: munawar
Prisoner's ID: 22k-4809
Prisoner's Age: 19
Prisoner's Gender: male
Prisoner's Height: 5'4"
Prisoner's Weight: 67
Prisoner's Eyecolour: black
Prisoner's Haircolour:black
Prisoner's Crime: NUET
Prisoner's Court: High
Prisoner's Lawyer: OM
Prisoner's Starting Date Of Punishment: 7-5-20
Prisoner's Ending Date Of Punishment: 5-7-21
Prisoner's Relative (phone-number): Shireen-897656
Prisoner's Bloodtype: A+
```

```
E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

*****
*      EDIT RECORD      *
*****

Enter The Name Of The Prisoner To Be Edited: huzaifa

ENTER Prisoner's ID:22k-5158

Prsioner's name: huzaifa
Prsioner's ID: 22k-5158

Prsioner's Age: 18
Prsioner's Gender: male
Prsioner's Height: 5'9"
Prsioner's Weight: 50
Prsioner's Eyecolour: brown
Prsioner's Haircolour: brown
Prsioner's Court: Supreme
Prsioner's Crime: FAST
Prsioner's Lawyer: UZ
Prsioner's Starting Date Of Punishment: 6-9-18
Prsioner's Ending Date Of Punishment: 9-6-19
Prsioner's Relative (with phone number): Kashif-123456
Prsioner's Bloodtype is: AB+

Select The Data To Be Edited:
```

```
E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

Prsioner's Court: Supreme
Prsioner's Crime: FAST
Prsioner's Lawyer: UZ
Prsioner's Starting Date Of Punishment: 6-9-18
Prsioner's Ending Date Of Punishment: 9-6-19
Prsioner's Relative (with phone number): Kashif-123456
Prsioner's Bloodtype is: AB+

Select The Data To Be Edited:
Prsioner's Name-----(1)
Prsioner's ID----- (2)
Prsioner's Age----- (3)
Prsioner's Gender----- (4)
Prsioner's Height----- (5)
Prsioner's Weight----- (6)
Prsioner's Eyecolour----- (7)
Prsioner's Haircolour----- (8)
Prsioner's Court----- (9)
Prsioner's Crime----- (10)
Prsioner's Lawyer----- (11)
Prsioner's Starting Date Of Punishment----- (12)
Prsioner's Ending Date Of Punishment----- (13)
Prsioner's Relative (with phone number)----- (14)
Prsioner's Bloodtype----- (15)
Go To Main Menu----- (16)
Enter Your Choice: 14

Enter The New Information:
Relative (with phone number):Sana-9871234
```

```
E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

Editing Complete...
-----
The Edited, new record is :
-----

Prsioner's name: huzaifa
Prsioner's ID: 22k-5158

Prsioner's Age: 18
Prsioner's Gender: male
Prsioner's Height: 5'9"
Prsioner's Weight: 50
Prsioner's Eyecolour: brown
Prsioner's Haircolour: brown
Prsioner's Court: Supreme
Prsioner's Crime: FAST
Prsioner's Lawyer: UZ
Prsioner's Starting Date Of Punishment: 6-9-18
Prsioner's Ending Date Of Punishment: 9-6-19
Prsioner's Relative (with phone number): Sana-9871234
Prsioner's Bloodtype is: AB+

Continue Editing?.....(Y/N)n

Press Space To Exit Editing Menu.
```

```
E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

*****

*      DELETE RECORD      *

*****

Enter the name of the prisoner to be deleted: huzaifa

Enter the ID of the prisoner record to be deleted.22k-5158

Deleting process successful
Delete another record?....(Y/N): y

Enter the name of the prisoner to be deleted: munawar

Enter the ID of the prisoner record to be deleted.22k-4809

Deleting process successful
Delete another record?....(Y/N):

Window Snip
```

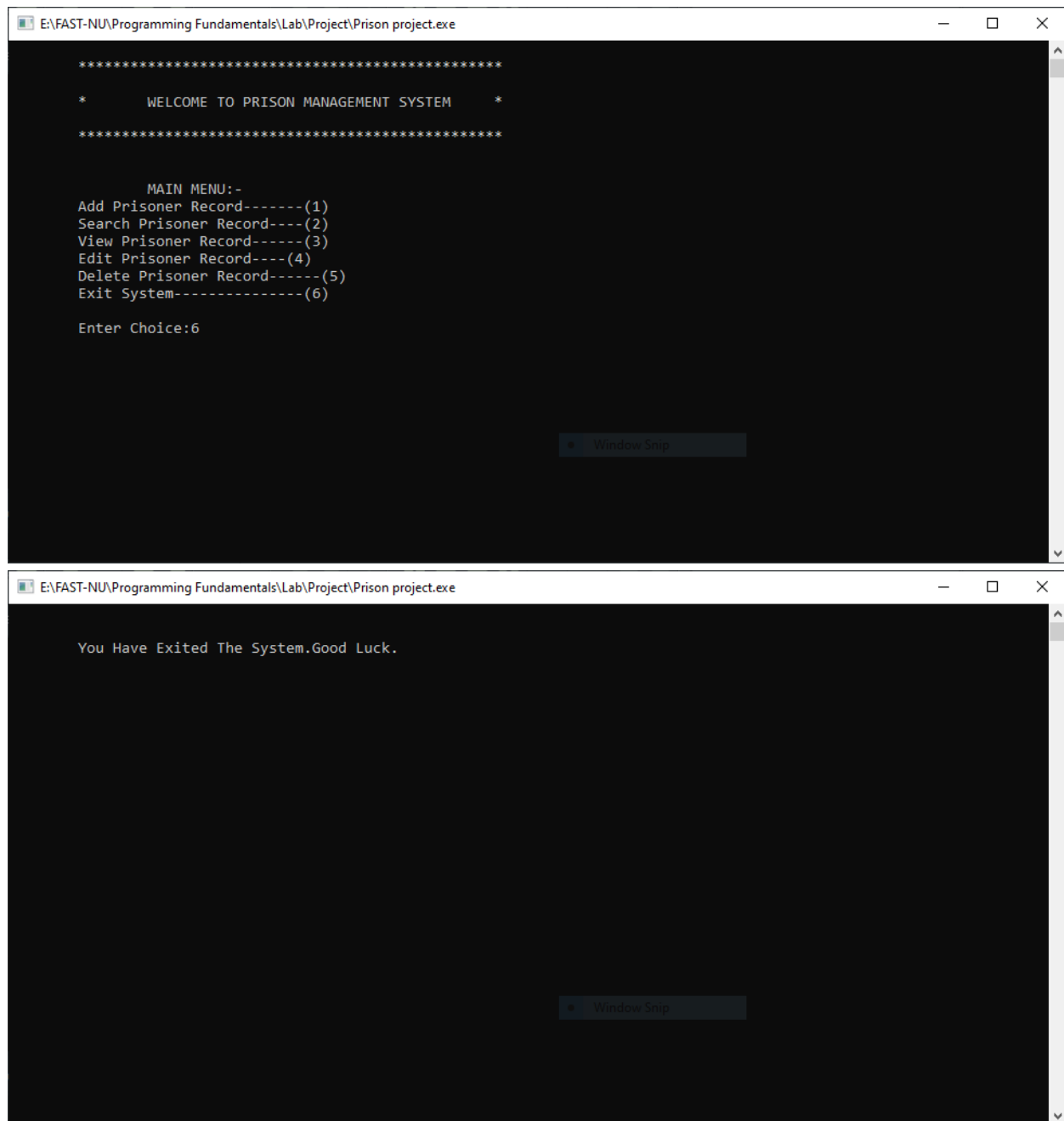
```
E:\FAST-NU\Programming Fundamentals\Lab\Project\Prison project.exe

*****

* VIEW RECORD *

*****

Window Snip
```



## ● Code:-

```

1 #include <stdio.h>
2 #include <conio.h>
3 #include <stdlib.h>
4 #include <string.h>
5 #include <time.h>
6
7
8 void add();
9 void search();
10 void view();
11 void edit();
12 void delete_data();
13 void login();
14
15
16 struct data{
17
18     char pris_name[20];
19     char pris_id[10];
20     char pris_age[10];
21     char pris_gender[10];
22     char pris_hght[10];
23     char pris_wght[10];
24     char pris_eyecclr[10];
25     char pris_hairclr[10];
26     char pris_crime[20];
27     char pris_court[20];
28     char pris_lawyer[20];
29     char pris_punishs[10];
30     char pris_punishend[10];
31     char pris_relate[20];
32     char pris_bldtyp[10];
33 }p;
34
35
36 int main(void){
37     int ch;
38     login();
39
40 while (1){
41     printf("\n{*****}\n");
42     printf("\t*(WELCOME TO PRISON MANAGEMENT SYSTEM)\t*\n");
43     printf("\t{*****}\n");
44     printf("\n{MAIN MENU:-}");
45     printf("\n{Add Prisoner Record-----(1)}");
46     printf("\n{Search Prisoner Record-----(2)}");
47     printf("\n{View Prisoner Record-----(3)}");
48     printf("\n{Edit Prisoner Record-----(4)}");
49     printf("\n{Delete Prisoner Record-----(5)}");
50     printf("\n{Exit System----- (6)}");
51     printf("\n{Enter Choice:}");
52
53     scanf("%i",&ch);
54
55     switch (ch){
56         case 1:
57             add();
58             break;
59         case 2:
60             search();
61             break;
62         case 3:
63             view();
64             break;
65         case 4:
66             edit();
67             break;
68         case 5:
69             delete_data();
70             break;
71         case 6:
72             system("cls");
73             printf("\n{You Have Exited The System.Good Luck;}");
74             getch();
75             exit(0);
76
77         default:
78             printf("\n{Enter The Correct Choice.\n{Press Any Key To Continue.}");
79             getch();
80             break;
81     }
82
83     system("cls");
84 }
85
86 id login(){
87
88     int tries=0, trials=0; //trials='v' tries='t'
89     char user_n[100], gaps=" ";
90     char password[20];
91     char pass[20]=" pass";
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```



```

        getch();
    }
    system("cls");
}

void add(){

    system("cls");
    FILE*fp;

    char pris_id[10];
    char ans='Y';
    char first_name[20];
    int choice;

    printf("\n\t*****\n\n");
    printf("\t*\tADD RECORD\t*\n\n");
    printf("\t*****\n");
    printf("\n\n\tEnter The First Name Of The Prisoner: ");
    fflush(stdin);
    gets(first_name);

    fp=fopen("filename","ab+");

    if (fp==NULL){

        fp=fopen("filename","wb+");

        if (fp==NULL){
            printf("\nError In The System.\nPress Any Key To Exit.");
            getch();
            return;
        }
    }

    while (ans=='y' || ans=='Y'){

        choice=0;
        fflush(stdin);

        printf("\n\tEnter Prisoner's ID: ");
        scanf("%s",pris_id);

        rewind (fp);

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

            if (strcmp(p.pris_id,pris_id) == 0){
                printf("\n\n\tThe Record Already Exists In The Database.\n");
                choice=1;
            }
        }
    }
}

```

```

192
193
194     strcpy(p.pris_id,pris_id);
195
196     printf("\n\tEnter the prisoner's name: ");
197     fflush(stdin);
198     gets(p.pris_name);
199
200     printf("\n\tEnter age: ");
201     gets(p.pris_age);
202     fflush(stdin);
203
204     printf("\n\tEnter gender: ");
205     gets(p.pris_gender);
206     fflush(stdin);
207
208     printf("\n\tEnter height(feet and inches): ");
209     gets(p.pris_hght);
210     fflush(stdin);
211
212     printf("\n\tEnter weight(kg): ");
213     gets(p.pris_wght);
214     fflush(stdin);
215
216     printf("\n\tEnter eye colour: ");
217     gets(p.pris_eyecclr);
218     fflush(stdin);
219
220     printf("\n\tEnter hair colour: ");
221     gets(p.pris_hairclr);
222     fflush(stdin);
223
224     printf("\n\tEnter blood-type: ");
225     gets(p.pris_bldtyp);
226     fflush(stdin);
227
228     printf("\n\tEnter crime: ");
229     gets(p.pris_crime);
230     fflush(stdin);
231
232     printf("\n\tEnter court: ");
233     gets(p.pris_court);
234     fflush(stdin);
235
236     printf("\n\tEnter lawyer: ");
237     gets(p.pris_lawyer);
238     fflush(stdin);
239
240     printf("\n\tEnter the starting date of punishment: ");
241     gets(p.pris_punishs);
242     fflush(stdin);
243
244     printf("\n\tEnter the ending date of punishment: ");

```



```

250         fflush(stdin);
251
252         fwrite ( &p, sizeof(p), 1,fp );
253         printf("\n\tPrisoner's Record Has Been Added.\n");
254     }
255     printf("\n\tDo you wish to add another record?[Y/N]: ");
256     fflush(stdin);
257     ans = getch();
258 }
259 fclose (fp);
260 printf("\n\tPress Any Key To Exit....");
261 getch();
262 }
263
264
265 void search( ){
266     system("cls");
267     FILE *fp;
268
269     int character;
270     char pris_id[20],choice,first_name[20];
271
272     printf("\n\n\t\t*****\n");
273     printf("\t\t* SEARCH RECORD *\n");
274     printf("\n\n\t\t*****\n\n");
275
276     do{
277
278         printf("\n\tENTER THE PRISONER NAME TO BE SEARCHED:");
279         fflush(stdin);
280         gets(first_name);
281
282         fp = fopen ( "filename", "rb" );
283
284         printf("\n\tEnter The Prisoner's ID: ");
285         gets(pris_id);
286
287         system("cls");
288         printf("\n\tPrisoner's Record is: ");
289
290         if(strcmpi(p.pris_id,pris_id)==0){
291
292             printf("\n\tPrisoner's name: %s",p.pris_name);
293             printf("\n\tPrisoner's ID: %s\n",p.pris_id);
294             printf("\n\tPrisoner's Age: %s",p.pris_age);
295             printf("\n\tPrisoner's Gender: %s",p.pris_gender);
296             printf("\n\tPrisoner's Height: %s",p.pris_hght);
297             printf("\n\tPrisoner's Weight: %s",p.pris_wght);
298             printf("\n\tPrisoner's Eye colour: %s",p.pris_eyeclr);
299             printf("\n\tPrisoner's Hair colour: %s",p.pris_hairclr);
300             printf("\n\tPrisoner's Court: %s",p.pris_court);
301             printf("\n\tPrisoner's Crime: %s",p.pris_crime);
302             printf("\n\tPrisoner's Lawyer: %s",p.pris_lawyer);

```

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```

305         printf("\n\tPrisoner's Relative (with phone number): %s",p.pris_relate);
306         printf("\n\tPrisoner's bloodtype is: %s\n",p.pris_bldtyp);
307     }
308
309     printf("\n\n\tContinue viewing?...[Y/N] : ");
310     fflush(stdin);
311     scanf("%c",&choice);
312
313 }while(choice=='y' || choice=='Y');
314
315 fclose(fp);
316
317 getch();
318 return ;
319 getch();
320
321 }
322
323
324 void view(){
325
326     system("cls");
327     FILE*fp;
328
329     char first_name[100];
330
331     printf("\n\n\t\t*****\n\n");
332     printf("\t\t\t VIEW RECORD +");
333     printf("\n\n\t\t*****\n\n");
334
335     fp=fopen ("filename","rb");
336     rewind (fp);
337
338     while ((fread(&p,sizeof(p),1,fp))==1){
339
340         printf("\n\n\tPress the SPACE key to load other prisoners'\n\n");
341         printf("\n\tPrisoner's Name: %s",p.pris_name);
342         printf("\n\tPrisoner's ID: %s",p.pris_id);
343         printf("\n\tPrisoner's Age: %s",p.pris_age);
344         printf("\n\tPrisoner's Gender: %s",p.pris_gender);
345         printf("\n\tPrisoner's Height: %s",p.pris_hght);
346         printf("\n\tPrisoner's Weight: %s",p.pris_wght);
347         printf("\n\tPrisoner's Eyecolour: %s",p.pris_eyecclr);
348         printf("\n\tPrisoner's Haircolour:%s",p.pris_hairclr);
349         printf("\n\tPrisoner's Crime: %s",p.pris_crime);
350         printf("\n\tPrisoner's Court: %s",p.pris COURT);
351         printf("\n\tPrisoner's Lawyer: %s",p.pris_lawyer);
352         printf("\n\tPrisoner's Starting Date Of Punishment: %s",p.pris_punishs);
353         printf("\n\tPrisoner's Ending Date Of Punishment: %s",p.pris_punishend);
354         printf("\n\tPrisoner's Relative (phone-number): %s",p.pris_relate);
355         printf("\n\tPrisoner's Bloodtype: %s\n\n",p.pris_bldtyp);
356         getch();
357     }

```

```

364 void edit(){
365
366     system("cls");
367     FILE *fp;
368
369     int num,count=0;
370     char pris_id[20],choice,first_name[15];
371
372     printf("\n\t*****\n\n");
373     printf("\t*\tEDIT RECORD\t*\n\n");
374     printf("\t*****\n");
375
376     do
377     {
378
379         printf("\n\tEnter The Name Of The Prisoner To Be Edited: ");
380         fflush(stdin);
381         gets(first_name);
382
383         printf("\n\tENTER Prisoner's ID:");
384         gets(pris_id);
385
386         fp = fopen( "filename" , "rb+");
387
388         while ( fread ( &p, sizeof (p), 1, fp ) == 1 )
389         {
390
391             if(strcmp(p.pris_id,pris_id)==0){
392
393                 printf("\n\tPrisoner's name: %s",p.pris_name);
394                 printf("\n\tPrisoner's ID: %s\n",p.pris_id);
395                 printf("\n\tPrisoner's Age: %s",p.pris_age);
396                 printf("\n\tPrisoner's Gender: %s",p.pris_gender);
397                 printf("\n\tPrisoner's Height: %s",p.pris_hght);
398                 printf("\n\tPrisoner's Weight: %s",p.pris_wght);
399                 printf("\n\tPrisoner's Eye colour: %s",p.pris_eyecclr);
400                 printf("\n\tPrisoner's Hair colour: %s",p.pris_hairclr);
401                 printf("\n\tPrisoner's Court: %s",p.pris_court);
402                 printf("\n\tPrisoner's Crime: %s",p.pris_crime);
403                 printf("\n\tPrisoner's Lawyer: %s",p.pris_lawyer);
404                 printf("\n\tPrisoner's Starting Date Of Punishment: %s",p.pris_punishs);
405                 printf("\n\tPrisoner's Ending Date Of Punishment: %s",p.pris_punishend);
406                 printf("\n\tPrisoner's Relative (with phone number): %s",p.pris_relate);
407                 printf("\n\tPrisoner's Bloodtype is: %s\n",p.pris_bldtyp);
408
409                 printf("\n\n\tSelect The Data To Be Edited: ");
410
411                 printf("\n\tPrisoner's Name-----(1)");
412                 printf("\n\tPrisoner's ID-----(2)");
413                 printf("\n\tPrisoner's Age-----(3)");
414                 printf("\n\tPrisoner's Gender-----(4)");
415                 printf("\n\tPrisoner's Height-----(5)");
416                 printf("\n\tPrisoner's Weight-----(6)");

```

```

424 printf("\n\tPrisoner's Relative (with phone number)-----(14)");
425 printf("\n\tPrisoner's Bloodtype-----(15)");
426 printf("\n\tGo To Main Menu-----(16)");
427
428 do(
429
430     printf("\n\tEnter Your Choice: ");
431     fflush(stdin);
432     scanf("%d",&num);
433     fflush(stdin);
434
435     switch(num){
436
437     case 1:
438         printf("\n\tEnter The New Information:\n\tName: ");
439         gets(p.pris_name);
440         break;
441
442     case 2:
443         printf("\n\tEnter The New Information:\n\tID: ");
444         gets(p.pris_id);
445         break;
446
447     case 3:
448         printf("\n\tEnter The New Information:\n\tAge: ");
449         gets(p.pris_age);
450         break;
451
452     case 4:
453         printf("\n\tEnter The New Information:\n\tGender: ");
454         gets(p.pris_gender);
455         break;
456
457     case 5:
458         printf("\n\tEnter The New Information:\n\tHeight: ");
459         gets(p.pris_hght);
460         break;
461
462     case 6:
463         printf("\n\tEnter The New Information:\n\tWeight: ");
464         gets(p.pris_wght);
465         break;
466
467     case 7:
468         printf("\n\tEnter The New Information:\n\tEyecolour: ");
469         gets(p.pris_eyecclr);
470         break;
471
472     case 8:
473         printf("\n\tEnter The New Information:\n\tHaircolour: ");
474         gets(p.pris_hairclr);
475         break;
476

```

```

510         break;
511
512         case 16:
513             printf("\n\tGo To Main Menu...");
514             getch();
515             return;
516             break;
517
518         default:
519             printf("\nError!Enter Valid Information...");
520             break;
521     }
522
523     } while (num<1 || num>20);
524
525     fseek(fp,-sizeof(p),SEEK_CUR);
526
527     fwrite(&p,sizeof(p),1,fp);
528
529     fseek(fp,-sizeof(p),SEEK_CUR);
530
531     fread(&p,sizeof(p),1,fp);
532
533     choice=5;
534
535
536     break;
537
538     }
539 }
540
541 if(choice==5){
542     system("cls");
543
544     printf("\n\tEditing Complete...\n");
545     printf("-----\n");
546
547     printf("The Edited, new record is :\n");
548     printf("-----\n");
549
550     printf("\n\tPrisoner's name: %s",p.pris_name);
551     printf("\n\tPrisoner's ID: %s",p.pris_id);
552     printf("\n\tPrisoner's Age: %s",p.pris_age);
553     printf("\n\tPrisoner's Gender: %s",p.pris_gender);
554     printf("\n\tPrisoner's Height: %s",p.pris_hght);
555     printf("\n\tPrisoner's Weight: %s",p.pris_wght);
556     printf("\n\tPrisoner's Eye colour: %s",p.pris_eyecclr);
557     printf("\n\tPrisoner's Hair colour: %s",p.pris_hairclr);
558     printf("\n\tPrisoner's Court: %s",p.pris_court);
559     printf("\n\tPrisoner's Crime: %s",p.pris_crime);
560     printf("\n\tPrisoner's Lawyer: %s",p.pris_lawyer);
561     printf("\n\tPrisoner's Starting Date Of Punishment: %s",p.pris_punishes);
562

```

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```

563     fclose(fp);
564
565     printf("\n\tContinue Editing?....(Y/N)");
566     scanf("%s",&choice);
567     count++;
568 }
569
570 else
571 {
572     printf("\n\tThe Mentioned Record Does Not Exist!\n");
573     printf("\n\tWould you like to try AGAIN...(Y/N)");
574     scanf("%s",&choice);
575 }
576
577 } while (choice== 'y' || choice== 'Y');
578
579 fclose (fp);
580 printf("\n\tPress Space To Exit Editing Menu.");
581 getch();
582
583 }
584
585 void Delete_data(){
586     system("cls");
587
588     FILE *fp,*f;
589     struct data p;
590     char first_name[100],ans='Y',pris_id[20];
591     int choice,verify;
592     int x=0;
593
594     printf("\n\t*****\n");
595     printf("\n\tDELETE RECORD\n");
596     printf("\n\t*****\n");
597
598     while (ans=='y' || ans=='Y'){
599
600         printf("\n\tEnter the name of the prisoner to be deleted: ");
601         fflush(stdin);
602         gets(first_name);
603
604         fp=fopen ("filename","rb");
605
606         if(fp==NULL){
607
608             printf("\n\tThe entered file does not exist in the database....");
609             printf("\n\tPress SPACE to return to main menu.");
610             getch();
611

```

Rectangular Snip

```

609     fflush(stdin);
610     gets(first_name);
611
612     fp=fopen ("filename","r+");
613
614     if(fp==NULL){
615
616         printf("\n\\The entered file does not exist in the database....");
617         printf("\n\\Press SPACE to return to main menu.");
618         getch();
619         return;
620     }
621
622     filetemporary=fopen("temp","wb");
623
624     if (filetemporary==NULL){
625
626         printf("\n\\Error in the system.....");
627         printf("\n\\Press any key to go to main menu.");
628         getch();
629         return;
630     }
631
632     printf("\n\\Enter the ID of the prisoner record to be deleted.");
633     fflush(stdin);
634     gets(pris_id);
635
636     while(fread(&p,sizeof(p),1,fp)!=1){
637         if(strcmp(p.pris_id,pris_id)!=0){
638             fwrite(&p,sizeof(p),1,filetemporary);
639         }
640     }
641
642     fclose(filetemporary);
643     fclose(fp);
644     remove("filename");
645     rename("temp","filename");
646     printf("\n\\Deleting process successful");
647     getch();
648
649     printf("\n\\Delete another record?.....(Y/N): ");
650     fflush(stdin);
651     scanf( "%d", &ans);
652
653 }
654
655
656 printf("\n\\Press SPACE to exit...");
657 getch();
658
659 )
660

```

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## 8.Acknowledgement:-

- Stack Overflow
- GeekforGeek
- Learning Code