**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*Computer Science Project\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**CRIME RECORD MANAGEMENT**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**#include<iostream.h>**

**#include<conio.h>**

**#include<stdio.h>**

**#include<fstream.h>**

**#include<string.h>**

**#include<stdlib.h>**

**#include<iomanip.h>**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\* Structure for Date \***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**struct date**

**{**

**int d;**

**int m;**

**int y;**

**};**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\* Structure for Details of Crime of Criminal \***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**struct court**

**{**

**char crime[20];**

**char act[20];**

**char cour[20];**

**char state[20];**

**};**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\* Structure for Physical Description of Criminal \***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**struct descp**

**{**

**char colour[20];**

**char face[20];**

**char imark[20]; //IDENTIFICATION MARKS(DEFORMITIES ETC.)**

**char height[6];**

**};**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\* Structure for Details of F.I.R. \***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**struct police**

**{**

**char station[50];**

**char fir\_no[10];**

**date date\_arrest;**

**};**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\* Class ' CRIMINAL ' for getting all information about convict \***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**class criminal**

**{**

**char name[20];**

**char sex[3];**

**char conno[10];**

**char age[4];**

**char address[50]; //ADDRESS OF CRIMINAL BEFORE ARREST.**

**court COURT;**

**police POLICE;**

**descp des;**

**public:**

**int ncheck(char arr[]); // FUNCTION TO CHECK THAT INPUT IS NOT NUMERIC**

**int s\_check(char a[]); // FUNCTION TO CHECK THAT THE INPUT FOR**

**// SEX HAS ONLY 1 CHARACTER IN M OR F ONLY**

**void input(void);**

**void output(void);**

**void delete\_rec(char con\_no[]);**

**int dcheck(char n[]);**

**void display();**

**void remove();**

**int menu();**

**void modify();**

**void list();**

**void empty();**

**int concheck(char b[]);**

**};**

**// ====================> End of Class Criminal<=======================**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\* Function for Checking Whether Input is Correct \***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**int criminal::ncheck (char arr[])**

**{**

**int i=0;**

**while (arr[i]!='\0')**

**{**

**if (((arr[i]>64)&&(arr[i]<92))||((arr[i]>95)&&(arr[i]<124))||(arr[i]==' '))**

**{**

**i++;**

**continue;**

**}**

**else**

**{**

**cout<<"\nINCORRECT INPUT. TRY AGAIN !!\n ";**

**return 0;**

**}**

**}**

**return 1;**

**}**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\* Function to Check whether Sex is Given Correctly \***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**int criminal::s\_check(char a[])**

**{**

**clrscr();**

**if(((a[0]=='m')||(a[0]=='f')||(a[0]=='M')||(a[0]=='F'))&&(a[1]=='\0'))**

**{**

**return(1);**

**}**

**else**

**{**

**cout<<"\n INCORRECT INPUT ,TRY AGAIN ";**

**return(0);**

**}**

**}**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\* Function for getting Convicts Record \***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**void criminal::input(void)**

**{**

**clrscr();**

**this->empty();criminal x;**

**int c = 0 ;**

**fstream filin;**

**filin.open("jail.dat",ios::app|ios::binary);**

**while(!c)**

**{**

**cout<<"\n ENTER THE CONVICT CODE : ";**

**gets(this->conno);**

**c=x.concheck(this->conno);**

**}**

**c=0;**

**while(!c)**

**{**

**cout<<"\n ENTER NAME OF CONVICT : ";**

**gets(this->name);**

**c= ncheck(this->name);**

**}**

**c=0;**

**while(!c)**

**{**

**cout<<"\n ENTER SEX : ";**

**gets(this->sex);**

**c =s\_check(this->sex);**

**}**

**cout<<"\n enter address : ";**

**gets(this->address);**

**cout<<"\n ENTER AGE : ";**

**gets(this->age);**

**clrscr();**

**cout<<"\n ENTER DESCRIPTION : \n\n\t ";**

**c=0;**

**while(!c)**

**{**

**cout<<"\nENTER COLOUR: ";**

**gets(this->des.colour);**

**c=ncheck(this->des.colour);**

**}**

**c=0;**

**while(!c)**

**{**

**cout<<"\n FACE DESCRIPTION: ";**

**gets(this->des.face);**

**c=ncheck(this->des.face);**

**}**

**cout<<"\n ENTER HEIGHT(in cm's) : ";**

**gets(this->des.height);**

**cout<<"\nENTER IDENTIFICATION MARKS(if no distinguishing marks,enter NONE):";**

**gets(this->des.imark);**

**clrscr();**

**cout<<"ENTER : \n\n\t\t ";**

**c=0;**

**while(!c)**

**{**

**cout<<"COURT (from which the prisonor convicted) : ";**

**gets(this->COURT.cour);**

**c= ncheck(this->COURT.cour);**

**}**

**c=0;**

**while(!c)**

**{**

**cout<<"\n\t\t STATE : ";**

**gets(this->COURT.state);**

**c= ncheck(this->COURT.state);**

**}**

**c=0;**

**while(!c)**

**{**

**cout<<"\n\t\t CRIME : ";**

**gets(this->COURT.crime);**

**c= ncheck(this->COURT.crime);**

**}**

**cout<<"\n\t\t ACT (under which convicted) : ";**

**gets(this->COURT.act);**

**clrscr();**

**cout<<"\n ENTER : \n\n\t\t";**

**cout<<"\n\t\t COMPLETE ADDRESS OF POLICE STATION : ";**

**gets(this->POLICE.station);**

**cout<<"\n\t\t FIR NO. (under which convict was arressted): ";**

**gets(this->POLICE.fir\_no);**

**cout<<"\n\t\t ENTER DATE OF ARREST(dd/mm/yy) :";**

**c=0;**

**while(!c)**

**{**

**cout<<"\n\t\t\t\t\t day (1-31): ";**

**cin>>this->POLICE.date\_arrest.d;**

**if((this->POLICE.date\_arrest.d>31)||(this->POLICE.date\_arrest.d<1))**

**{**

**cout<<"\n\n THIS DATE DOES NOT EXIST,TRY AGAIN!! ";**

**c=0;**

**}**

**else**

**c=1;**

**}**

**c=0;**

**while(!c)**

**{**

**cout<<"\n\t\t\t\t\t month (1-12): ";**

**cin>>this->POLICE.date\_arrest.m;**

**if((this->POLICE.date\_arrest.m>12)||(this->POLICE.date\_arrest.m<1))**

**{**

**cout<<"\n\n THIS MONTH DOES NOT EXIST,TRY AGAIN!! ";**

**c=0;continue;**

**}**

**else**

**c=1;**

**if((this->POLICE.date\_arrest.d==31) &&((this->POLICE.date\_arrest.m==2) ||**

**(this->POLICE.date\_arrest.m==4) ||( this->POLICE.date\_arrest.m==6) ||**

**( this->POLICE.date\_arrest.m==9) || (this->POLICE.date\_arrest.m==11)))**

**{**

**cout<<"\n THIS MONTH DOES NOT HAVE 31 DAYS \n TRY AGAIN !! ";**

**c=0;**

**}**

**else**

**c=1;**

**}**

**c=0;**

**while(!c)**

**{**

**cout<<"\n\t\t\t\t\t year(in 4 digits) (1930-2015): ";**

**cin>>this->POLICE.date\_arrest.y;**

**if((this->POLICE.date\_arrest.y <= 1930)||(this->POLICE.date\_arrest.y>2015) )**

**{**

**cout<<"\n INCORRECT INPUT \n TRY AGAIN!!\n" ;**

**c=0;**

**}**

**else**

**c=1;**

**}**

**char ch;**

**do{**

**cout<<"\n DO YOU WANT TO SAVE THIS INFORMATION(enter y or n) ";**

**cin>>ch;**

**if(ch=='y'||ch=='Y')**

**{**

**cout<<"\n\n\t< RECORD HAS BEEN SAVED >";**

**filin.write((char\*)this,sizeof(criminal));**

**}**

**else**

**{**

**if((ch!='n')&&(ch!='N'))**

**{**

**cout<<"\n ENTER CORRECTLY \n TRY AGAIN !! ";**

**}**

**}**

**} while((ch!='y')&&(ch!='Y')&&(ch!='n')&&(ch!='N'));**

**filin.close();**

**}//End of input function**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\* Function for showing Convict's Record \***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**void criminal::output()**

**{**

**clrscr();**

**cout<<"@@@@@@@@@@@PERSONAL RECORD OF CONVICT NO@@@@@@@@@@@@”;**

**cout<<"\n\nCONVICT NO :\t";**

**puts(conno);**

**cout<<"\nNAME :\t";**

**puts(this->name);**

**cout<<"\nSEX :\t"<<this->sex;**

**cout<<"\n\nADDRESS :\t";**

**puts(this->address);**

**cout<<"\nAGE :\t";**

**puts(this->age);**

**cout<<"\n\nDESCRIPTION\n";**

**cout<<"\n1. COLOUR :\t";**

**puts(this->des.colour);**

**cout<<"\n2. FACE :\t";**

**puts(this->des.face);**

**cout<<"\n3. IDENTIFICATION MARK :\t";**

**puts(this->des.imark);**

**cout<<"\n4. HEIGHT :\t";**

**puts(this->des.height);**

**cout<<"\n\n\n\n\t\t\t\t\tpress a key to continue....";**

**getche();**

**clrscr();**

**cout<<"@@@@@@@@@@@@ CRIMINAL RECORD @@@@@@@@@@@@”;**

**cout<<"\n\nCOURT INFORMATION\n\n ";**

**cout<<"\n1. COURT FROM WHICH CONVICTED :\t";**

**puts(this->COURT.cour);**

**cout<<"\n2. STATE :\t";**

**puts(this->COURT.state);**

**cout<<"\n3. CRIME :\t";**

**puts(this->COURT.crime);**

**cout<<"\n4. ACT UNDER WHICH CONVICTED :\t";**

**puts(this->COURT.act);**

**cout<<"\n\n\n\n\n\n\t\t\t\t\t\t press a key to continue....";**

**getche();**

**clrscr();**

**cout<<"@@@@@@@@@@@@ CRIMINAL RECORD @@@@@@@@@@@@";**

**cout<<"\n\n\nPOLICE INFORMATION \n\n";**

**cout<<"\n1. FIR NO. :\t";puts(this->POLICE.fir\_no);**

**cout<<"\n2. DATE OF ARREST :\t"<<this->POLICE.date\_arrest.d<<"/"**

**<<POLICE.date\_arrest.m<<"/"<<this->POLICE.date\_arrest.y;**

**cout<<"\n\n3. POLICE STATION(where fir was lodged) :\t";**

**puts(this->POLICE.station);**

**cout<<"\n\n\n\n\n\t\t\t\t\t\t press a key to continue....";**

**getche();**

**clrscr();**

**}//end of output function**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\* Function for Deleting The Record OF A Convict \***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**void criminal::delete\_rec(char con\_no[])**

**{**

**fstream filin;**

**filin.open("jail.dat",ios::in|ios::ate);**

**int q=filin.tellg();**

**int c=q/sizeof(criminal);**

**fstream temp;**

**temp.open("temp.dat",ios::out);**

**filin.seekg(0,ios::beg);**

**for(int i=0;i<c;i++)**

**{**

**filin.read((char\*)this,sizeof(criminal));**

**if(strcmp(con\_no,conno)!=0)**

**temp.write((char\*)this,sizeof(criminal));**

**}**

**filin.close();**

**temp.close();**

**filin.open("jail.dat",ios::out);**

**temp.open("temp.dat",ios::in|ios::ate);**

**int a=temp.tellg();**

**int size=a/sizeof(criminal);**

**temp.seekg(0,ios::beg);**

**for(int k=0;k<size;k++)**

**{**

**temp.read((char\*)this,sizeof(criminal));**

**filin.write((char\*)this,sizeof(criminal));**

**}**

**filin.close();**

**temp.close();**

**cout<<"\n\n < THE RECORD HAS BEEN DELETED >";**

**}**

**//---------------------------------------------------------------------------**

**int criminal::dcheck(char n[])**

**{**

**clrscr();**

**fstream file;**

**file.open("jail.dat",ios::in|ios::ate|ios::binary);**

**int x=0;**

**int c,count=0;**

**int q=file.tellg();**

**c=q/sizeof(criminal);**

**file.close();**

**file.open("jail.dat",ios::in|ios::binary);**

**for(int i=0;i<c;i++)**

**{**

**file.read((char\*)this,sizeof(criminal));**

**count++;**

**if(strcmp(n,name)==0)**

**{**

**x++;**

**break;**

**}**

**}**

**if(x==0)**

**{**

**cout<<"\n CONVICT NOT FOUND!! ";**

**return 0;**

**}**

**else**

**{**

**return count;**

**}**

**file.close();**

**}**

**//----------------------------------------------------------------------------------**

**void criminal::display()**

**{**

**clrscr();**

**char N[10];**

**int rec;**

**int loc;**

**cout<<"\n ENTER THE CONVICT NAME ";**

**cout<<" WHOSE INFORMATION YOU WANT :";**

**gets(N);**

**fstream file;**

**rec= this->dcheck(N);**

**file.open("jail.dat",ios::in|ios::binary);**

**if(rec!=0)**

**{**

**loc=(rec-1)\*sizeof(criminal);**

**file.seekg(loc);**

**file.read((char\*)this,sizeof(criminal));**

**this->output();**

**}**

**file.close();**

**}**

**//-------------------------------------------------------------------------------------------------------------------------**

**void criminal::remove()**

**{**

**clrscr();**

**char no[10];int s;**

**cout<<"\n ENTER THE CONVICT NO. OF THE CONVICT WHOSE RECORD YOU WISH TO ";**

**cout<<"DELETE :" ;**

**gets(no);**

**s= this->dcheck(no);**

**if(s!=0)**

**this->delete\_rec(no);**

**}**

**//---------------------------------------------------------------------------------------------------------------------------**

**int criminal::menu()**

**{**

**int ch;**

**do{**

**clrscr();**

**cout<<"\n @@@@@@@@@@@@@@@MAIN MENU@@@@@@@@@@@@@@@”;**

**cout<<"\n PRESS :\n\n";**

**cout<<"\n\t\t\t1. TO ADD RECORD/RECORDS ";**

**cout<<"\n\t\t\t2. TO MODIFY RECORD/RECORDS ";**

**cout<<"\n\t\t\t3. TO DISPLAY RECORD ";**

**cout<<"\n\t\t\t4. TO DELETE RECORD ";**

**cout<<"\n\t\t\t5. TO LIST ";**

**cout<<"\n\t\t\t6. TO QUIT \n ";**

**cin>>ch;**

**}while((ch!=1)&&(ch!=2)&&(ch!=3)&&(ch!=4)&&(ch!=5)&&(ch!=6));**

**return(ch);**

**}**

**//------------------------------------------------------------------------------------------**

**void criminal::modify()**

**{**

**clrscr();**

**fstream file ;**

**char npdr[10],ncrime[10],nact[10],nstate[10],ncourt[10],nstat[10],nfir[10];**

**char str[10],nprd[15],cno[10];**

**int check,loc;**

**criminal x;**

**date D;**

**cout<<"\n MODIFICATION FUNCTION ";**

**cout<<"\nENTER THE CONVICT NUMBER OF THE CONVICT ,TO BE MODIFIED: ";**

**gets(str);**

**check=this->dcheck(str);**

**if(check!=0)**

**{**

**file.open("jail.dat",ios::out|ios::ate);**

**int d=0;**

**while(!d)**

**{**

**cout<<"\n ENTER THE MODIFIED CONVICT NO :";**

**gets(cno);**

**d= x.concheck(cno);**

**}**

**strcpy(conno,cno);**

**cout<<"\n ENTER THE MODIFIED CRIME :";**

**gets(ncrime);**

**strcpy(COURT.crime,ncrime);**

**cout<<"\n ENTER THE MODIFIED COURT RECORD: ";**

**cout<<"\n ACT :";**

**gets(nact);**

**strcpy(COURT.act,nact);**

**cout<<"\nSTATE : ";**

**gets(nstate);**

**strcpy(COURT.state,nstate);**

**cout<<"\nCOURT : ";**

**gets(ncourt);**

**strcpy(COURT.cour,ncourt);**

**clrscr();**

**cout<<"\n ENTER THE MODIFIED POLICE RECORD ";**

**cout<<"\n STATION : ";**

**gets(nstat);**

**strcpy(POLICE.station,nstat);**

**cout<<"\nFIR NO : ";**

**gets(nfir);**

**strcpy(POLICE.fir\_no,nfir);**

**cout<<"\n DATE OF ARREST(dd,mm,yyyy) ";**

**int c=0;**

**while(!c)**

**{**

**cout<<"\n\t\t\t\t\t day(1-31) : ";**

**cin>>D.d;**

**if((D.d>31)||(D.d<1))**

**{**

**cout<<"\n\n THIS DATE DOES NOT EXIST,TRY AGAIN!! ";**

**c=0;**

**}**

**else**

**c=1;**

**}**

**c=0;**

**while(!c)**

**{**

**cout<<"\n\t\t\t\t\t month(1-12) : ";**

**cin>>D.m;**

**if((D.m>12)||(D.m<1))**

**{**

**cout<<"\n\n THIS MONTH DOES NOT EXIST,TRY AGAIN!! ";**

**c=0;**

**continue;**

**}**

**else**

**c=1;**

**if((D.d==31) &&((D.m==2) || (D.m==4) ||( D.m==6) ||( D.m==9) || (D.m==11)))**

**{**

**cout<<"\n THIS MONTH DOES NOT HAVE 31 DAYS \n TRY AGAIN !! ";**

**c=0;**

**}**

**else**

**c=1;**

**}**

**c=0;**

**while(!c)**

**{**

**cout<<"\n\t\t\t\t\t year(in 4 digits) (1930-2015): ";**

**cin>>D.y;**

**if((D.y <= 1930)||(D.y>2015) )**

**{**

**cout<<"\n INCORRECT INPUT \n TRY AGAIN!!\n" ;**

**c=0;**

**}**

**else**

**c=1;**

**}**

**POLICE.date\_arrest.d=D.d;**

**POLICE.date\_arrest.m=D.m;**

**POLICE.date\_arrest.y=D.y;**

**loc=(check-1)\*sizeof(criminal);**

**file.seekp(loc);**

**file.write((char\*)this,sizeof(criminal));**

**file.close();**

**}**

**}**

**//---------------------------------------------------------------------------------------------**

**void criminal::list()**

**{**

**clrscr();**

**int j ;**

**fstream file;**

**file.open("jail.dat",ios::in|ios::ate|ios::binary);**

**int q=file.tellg();**

**int c=q/sizeof(criminal);**

**file.seekg(0);**

**cout<<" "<<endl;**

**cout<<" "<<endl;**

**cout<<" CONVICT LIST "<<endl;**

**cout<<" "<<endl;**

**cout<<" "<<endl;**

**cout<<"\n======================================================"<<endl;**

**cout<<"SNO\tNAME\t\t\tCONVICT NO.\t\t\tCRIME"<<endl;**

**cout<<"========================================================"<<endl;**

**int i=0;**

**while(file.read((char\*)this,sizeof(criminal)))**

**{**

**i++;**

**cout<<i<<" ";**

**for( j=0;j<strlen(this->name);j++)**

**cout<<this->name[j];**

**cout<<"\t\t\t ";**

**for(j=0;j<strlen(this->conno);j++)**

**cout<<this->conno[j];**

**cout<<"\t\t\t ";**

**for(j=0;j<strlen(this->COURT.crime);j++)**

**cout<<this->COURT.crime[j];**

**cout<<"\n--------------------------------------------------------------------------------\n";**

**if((i%3)==0&&(i!=c))**

**{**

**cout<<"Press a key to continue...........";**

**getch();**

**clrscr();**

**cout<<"\n====================================================="<<endl;**

**cout<<"SNO\tNAME\t\t\tCONVICT NO.\t\t\tCRIME"<<endl;**

**cout<<"======================================================="<<endl;**

**}**

**}**

**file.close();**

**}**

**//---------------------------------------------------------------------------------------------------**

**void criminal::empty()**

**{**

**int i;**

**for(i=0;i<20;i++)**

**name[i]=' ';**

**for(i=0;i<10;i++)**

**conno[i]=' ';**

**for(i=0;i<3;i++)**

**sex[i]=' ';**

**for(i=0;i<4;i++)**

**age[i]=' ';**

**for(i=0;i<50;i++)**

**address[i]=' ';**

**for(i=0;i<20;i++)**

**COURT.cour[i]=' ';**

**for(i=0;i<20;i++)**

**COURT.crime[i]=' ';**

**for(i=0;i<20;i++)**

**COURT.act[i]=' ';**

**for(i=0;i<20;i++)**

**COURT.state[i]=' ';**

**for(i=0;i<20;i++)**

**des.colour[i]=' ';**

**for(i=0;i<20;i++)**

**des.imark[i]=' ';**

**for(i=0;i<20;i++)**

**des.face[i]=' ';**

**for(i=0;i<6;i++)**

**des.height[i]=' ';**

**for(i=0;i<50;i++)**

**POLICE.station[i]=' ';**

**for(i=0;i<10;i++)**

**POLICE.fir\_no[i]=' ';**

**POLICE.date\_arrest.m = 0;**

**POLICE.date\_arrest.d = 0;**

**POLICE.date\_arrest.y = 0;**

**}**

**//----------------------------------------------------------------------------------------------------------**

**int criminal::concheck(char b[])**

**{**

**fstream file;char a[10];**

**int check=0;**

**file.open("jail.dat",ios::in|ios::ate);**

**int q=file.tellg();**

**int size=q/sizeof(criminal);**

**file.seekg(0,ios::beg);**

**for(int i=0;i<size;i++)**

**{**

**file.read((char\*)this,sizeof(criminal));**

**strcpy(a,conno);**

**if(strcmp(b,a)==0)**

**{**

**check+=1;**

**break;**

**}**

**}**

**if(check==0)**

**{ return(10); }**

**else**

**{**

**cout<<"\n GIVEN CONVICT CODE ALREADY EXISTS!! "<<endl;**

**return(0);**

**}**

**file.close();**

**}**

**void main()**

**{**

**clrscr();**

**int x;**

**for(int i=0;i<3;i++)**

**{**

**clrscr();**

**cout<<"\nCRIMINAL RECORD .\n\n\t\t\t< by VERTIKA>\n\n\n\n\n\n\n\n\t\t\t\t";**

**cout<<"ENTER PASSWORD..";**

**char\*pass;**

**cin>>pass;**

**x=strcmp(pass,"123");**

**if(x==0)**

**{**

**break;**

**}**

**else**

**{**

**cout<<"INCORRECT PASSWORD!!!";**

**}**

**getch();**

**exit(0);**

**}**

**if(x==0)**

**{**

**int choice,ans='y';**

**criminal l;**

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

**{**

**choice= l.menu();**

**switch(choice)**

**{**

**case 1:l.input();**

**break;**

**case 2 :l.modify();**

**break;**

**case 3:l.display();**

**break;**

**case 4:l.remove() ;**

**break;**

**case 5: l.list();**

**break;**

**case 6:**

**exit(0);**

**}**

**cout<<"\n\n\nDO YOU WANT TO CONTINUE(press y to continue)..";**

**ans=getch();**

**if(ans=='y'||ans=='Y')**

**continue;**

**}**

**}**

**}**