

```
#include<fstream.h>
#include<conio.h>
#include<string.h>
#include<stdio.h>
#include<stdlib.h>
#include<iomanip.h>
#include<dos.h>
#include<graphics.h>
```

```
int
friends,i=0,lucky,nn,co=0,min,l=1,op,flagopt,rmon,rda,remdt,optio
=0,remmo,more,tod=0,opti=0;
char pword[10]="iamsk2";
long int remyr;    int dat,mo;
long int yr;    char nam[40] ;
long char naam[40],remnam[40],password[20],na[40];
```

```
class datee
{int dd;
int mm;
int ryr,date,k,first,r;
long int yy;
long char name[40];
public:
void input()
{ if(optio==2)
{cprintf("\n\n Enter Details For FRIEND no. ");cout<<i+1+co<<" :
\n\n";
  cprintf("\n Enter Name Of FRIEND : ");
  gets(name);
int chec=1;
while(chec==1)
{textcolor(YELLOW);
cprintf("\n Enter BIRTH Year : ");
cin>>yy;          struct dosdate_t q;
_dos_getdate(&q);
```

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```
textcolor(CYAN);
    if((q.year-yy)<0)
    { cout<<"\n ";
      cprintf("Is Your FRIEND 'FUTURE' !      Please Write Again : ");
      cout<<"\n";  chec=0;}
    else if((q.year-yy)>115)
    {cout<<"\n ";cprintf("Is Your Friend SUPERHUMAN !      We Don't
      Believe ....");cout<<"\n"; chec=0;  }
    chec++;
}
textcolor(YELLOW);
cprintf("\n Enter BIRTH Month : ");
cin>>mm;
while(mm>12||mm<=0)
{cout<<"\n Plz Write Again :";
cin>>mm;}

cprintf("\n Enter BIRTH Date : ");
cin>>dd;
while(dd>31||dd<=0||(mm==2&&dd==30)||dd==31&&(mm==2||mm==4||mm==6
||mm==9||mm==11))
{cout<<"\n Plz Write Again :";
cin>>dd;}
cout<<"\n_____ \n
";  }
else if(optio==1)
{dd=dat ;
mm=mo    ;
yy=yr    ;
strcpy(name,nam);
}
}
```

void chk()

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```
{
    struct dosdate_t q;
    _dos_getdate(&q);

    int
    yr=(int)q.year-yy,da=(int)q.day-dd,mon=(int)q.month-mm;
    if((q.month-mm)<0) {yr=yr-1;mon=12-mm+q.month;}
    if((q.day-dd)<0) { mon-=1;da=30-dd+q.day;}
    if(l==1)
    {rmon=mon;    rda=da;    remdt=dd;remmo=mm;remyr=yy;
    strcpy(remnam,name);    }

    if(rmon<mon)
    {strcpy(remnam,name);    remdt=dd;remmo=mm;remyr=yy;    }
    if(rmon==mon)
    {if(rda<da)
        {strcpy(remnam,name);    remdt=dd;remmo=mm;remyr=yy;}    }
    if((q.month==mm)&&(q.day==dd)){tod=1;strcpy(remnam,name);}

}
```

```
int persbday()
{    return((dd*100)+mm);}
```

```
void nameeee()
{
cout<<name;}
```

```
long int yyy()
{return yy;}
```

```
void namee()
{
cout<<setw(21)<<name;}
int d()
{strcpy(na,name);}
```

```

return dd;}
int mmm()
{return mm;}

```

```

void output()
{ struct dosdate_t q;
  _dos_getdate(&q);
  int rmon,rda;                                int
  yr=(int)q.year-yy,da=(int)q.day-dd,mon=(int)q.month-mm;
  char fort[20];                                if((q.month-mm)<0)
  {yr=yr-1;mon=12-mm+q.month;}                if((q.day-dd)<0) {
  mon-=1;da=30-dd+q.day;}
  if(l==1)
  {rmon=mon;      rda=da;
  strcpy(remnam,name);    }

```

```

else if(rmon<mon)
strcpy(remnam,name);
else if(rmon==mon)
{if(rda<da)
  strcpy(remnam,name);    }

```

```

if((mm==3&&dd>=20)|| (mm==4&&dd<=18)) strcpy(fort,"ARIES");
if((mm==4&&dd>=19)|| (mm==5&&dd<=19))
strcpy(fort,"TAURUS");if((mm==5&&dd>=20)|| (mm==6&&dd<=20))
strcpy(fort,"GEMINI");if((mm==6&&dd>=21)|| (mm==7&&dd<=21))
strcpy(fort,"CANCER");if((mm==7&&dd>=22)|| (mm==8&&dd<=21))
strcpy(fort,"LEO");if((mm==8&&dd>=22)|| (mm==9&&dd<=21))
strcpy(fort,"VIRGO");if((mm==9&&dd>=22)|| (mm==10&&dd<=22))
strcpy(fort,"LIBRA");if((mm==10&&dd>=23)|| (mm==11&&dd<=20))

```

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[illegible]

```
void calc()
{ int r1=(yy)%100 ;
  k=yy-r1;
  int r2=(k/100);
  int r3=((r1%12)+(r1/12)+(r1%12)/4)%7,c;
  if(r2==21||r2==17||r2==13||r2==9||r2==5||r2==1||r2==25)
    c=0;
  else if(r2==20||r2==16||r2==12||r2==8||r2==4||r2==24)
    c=2;
  else if(r2==19||r2==15||r2==11||r2==7||r2==3||r2==23)
    c=3;
  else if(r2==18||r2==14||r2==10||r2==6||r2==2||r2==22)
    c=5;
  ryr=(r3+c)%7;
```

```
if(mm==1)
{if(yy%4==0)
date=4;
else date=3;}
else if(mm==2)
{if(yy%4==0)
date=1;
else date=7;}
else if(mm==3)
date=7;
else if(mm==4)    date=4;
```

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```
else if(mm==5)    date=2 ;
else if(mm==6)    date=6 ;
else if(mm==7)    date=4 ;
else if(mm==8)    date=1 ;
else if(mm==9)    date=5 ;
else if(mm==10)   date=3 ;
else if(mm==11)   date=7 ;
else date=5 ;
    int z=0;
if(dd>date)
r=(ryr+(dd-date))%7;
else

{
r=(ryr-(date-dd))%7;
    if(r<0)
{ r=7+r;}
}

}
```

```
void calendar()
{

    first=(ryr-(date-1))%7;
    if(first<0)
{ first=7+first;}
}
void show()
{    int j=5;
k=16+(7*first);
for(int i=1;i<=31;i++)
{
if(i==31)
{if(mm==3 || mm==5 || mm==9 || mm==11)
```

```

break;}
if(i==29)
{if((mm==2)&&(yy%4==1||yy%4==2||yy%4==3))

break;}

if(i==30)
{if((mm==2)&&(yy%4==0))
break;}

    gotoxy(k,j);
if(i==dd)
{ textcolor(RED+128)  ;
cprintf("|") ;
cout<<i ;
textcolor(RED+128)  ;
cprintf("|");
}
else
{ cout<<i;

    }
    k=k+7;
if(k==65)
{cout<<endl;
j=j+3;k=16;} }
}
textcolor(5);
cout<<"\n\n\n The BIRTHDAY ( "<< dd<<" / "<<mm<<" / "<<yy<<" )
Of "<<name<<" Was On    " ;
    textcolor(CYAN+128);
    if(r==0)
        cprintf("SUNDAY");
    else if(r==1)
        cprintf("MONDAY");
    else if(r==2)

```

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```
cprintf("TUESDAY");  
else if(r==3)  
cprintf("WEDNESDAY");  
else if(r==4)  
cprintf("THURSDAY");  
else if(r==5)  
cprintf("FRIDAY");  
else  
cprintf("SATURDAY");
```

```
textcolor(CYAN);  
}
```

```
void dateobt()  
{  
    int r1=(yy)%100 ;  
    k=yy-r1;  
    int r2=(k/100);  
    int r3=((r1%12)+(r1/12)+(r1%12)/4)%7,c;  
    if(r2==21||r2==17||r2==13||r2==9||r2==5||r2==1||r2==25)  
        c=0;  
    else if(r2==20||r2==16||r2==12||r2==8||r2==4||r2==24)  
        c=2;  
    else if(r2==19||r2==15||r2==11||r2==7||r2==3||r2==23)  
        c=3;  
    else if(r2==18||r2==14||r2==10||r2==6||r2==2||r2==22)  
        c=5;  
    ryr=(r3+c)%7;
```

```
if(mm==1)  
{if(yy%4==0)  
date=4;  
else date=3;}
```



```

else if(mm==2)
{if(yy%4==0)
date=1;
else date=7;}
else if(mm==3)
date=7;
else if(mm==4)    date=4;
else if(mm==5)    date=2 ;
else if(mm==6)    date=6 ;
else if(mm==7)    date=4 ;
else if(mm==8)    date=1 ;
else if(mm==9)    date=5 ;
else if(mm==10)   date=3 ;
else if(mm==11)   date=7  ;
else date=5 ;
    int z=0;
if(dd>date)
r=(ryr+(dd-date))%7;
else

{
r=(ryr-(date-dd))%7;
    if(r<0)
{ r=7+r;}
}

```

```

cout<<dd<<"/"<<mm<<"/"<<yy<<"    |    ";

```

```

textcolor(CYAN);
    if(r==0)
        cprintf("SUNDAY");
    else if(r==1)
        cprintf("MONDAY");
    else if(r==2)
        cprintf("TUESDAY");

```

```

else if(r==3)
    cprintf("WEDNESDAY");
else if(r==4)
    cprintf("THURSDAY");
else if(r==5)
    cprintf("FRIDAY");
else
    cprintf("SATURDAY");

}

};

void user(char fname[])
{ char pass[80];
strcpy(pass,(strcat(password, ".txt")));
fstream fil;
    fil.open(fname, ios::binary|ios::out);

datee d;
    ifstream f(pass);
    while(!f.eof())
{ f>>dat>>mo>>yr>>nam;
        d.input();

fil.write((char*)&d, sizeof(d));

}
        fil.close();
f.close();

```

```
}
```

```
void savee(char fname[])
{fstream fil;
datee d;    int dat,mo;
long int yr;  char nam[40],pass[80];
strcpy(pass,(strcat(password,".txt")));
fil.open(fname,ios::binary|ios::in);
    ofstream f(pass);
while(fil.read((char*)&d,sizeof(d)))
{  dat=d.d();
mo=d.mmm();
yr=d.yyy();
strcpy(nam,na);

    f<<" "<<dat<<" "<<mo<<" "<<yr<<" "<<nam;

}
f.close();
fil.close();

}
```

```

void create(char fname[20])
{fstream fil;
datee d;
fil.open(fname,ios::binary|ios::out);
for(i=0;i<friends;i++)
{d.input();
fil.write((char*)&d,sizeof(d));}
}

```

```

void createe(char fname[20])
{fstream fil;
datee d;
friends+=nn;
fil.open(fname,ios::binary|ios::out|ios::ate);
for(i=0;i<nn;i++)
{
d.input();
fil.write((char*)&d,sizeof(d));}
}

```

```

void display(char fname[])
{
fstream fil;
datee d;
fil.open(fname,ios::binary|ios::in);
fil.seekg((lucky-1)*sizeof(d),ios::beg);
fil.read((char*)&d,sizeof(d));
{
d.namee();
textcolor(YELLOW);
cprintf("\n\n                                CONGRAT'S "); d.namee();
cout<<" \n\n\n\n";
}
}

```

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```
    cprintf(" THE CALENDAR OF LUCKY PERSON : : ");
    getch(); clrscr(); textcolor(BLUE);
    cprintf("\n          S          M          T          W          T          F
    S \n");
    d.calc();
d.calendar();
    textcolor(BLUE);
d.show();
    cout<<"\n\n Press  ENTER  Key For More Options & Any Other Key
To Exit : " ;
    more=getch();

}
    fil.close();
}

void delet(char fname[],char tname[])
{
    fstream fil1,fil2;
    int c=1;
    datee d;
    fil1.open(fname,ios::binary|ios::in);
    fil2.open(tname,ios::binary|ios::out);
    while(fil1.read((char*)&d,sizeof(d)))
    {if(!(c==nn))
    fil2.write((char*)&d,sizeof(d));
    c++;
    }
    fil1.close();
    fil2.close();
}

void edit(char fname[])
{ fstream fil;
    datee d;
    co=nn-1-i;
    fil.open(fname,ios::binary|ios::out|ios::ate);
```

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```
fil.seekp((nn-1)*sizeof(d),ios::beg);
d.input();
fil.write((char*)&d,sizeof(d));
fil.close();
}
void che(char fname[])
{fstream fil;
datee d;
fil.open(fname,ios::binary|ios::in);
while(fil.read((char*)&d,sizeof(d)))
{d.chk(); l++;
}
fil.close();
textcolor(RED);

}
```

```
void dispall(char fname[])
{fstream fil;
datee d; int sno=1;
textcolor(YELLOW);
fil.open(fname,ios::binary|ios::in);
while(fil.read((char*)&d,sizeof(d)))
{
cout<<"      "<<sno;
d.namee();
if((sno%4)==0)
getch();

d.output();

cout<<"\n\n";
sno++;}fil.close();

}
```

```

void grp(char fname[])
{
    fstream fil;
    datee d;
    textcolor(YELLOW);

    cout<<"\n\n    Enter 1 To Group by MONTH \n    Enter 2 To Group by
AGE :  ";
    cin>>op;
    clrscr();
    cout<<"\n\n";
    if(op==1)
    {   int cnt=0;
        cout<<"          M O N T H S          |          N A M E S \n
_____\n\n" ;
        for(int i=1;i<=12;i++)
        {cout<<"          ";   if(i==1) cout<<"JANUARY"; else if(i==2)
cout<<"FEBRUARY"; else if(i==3)cout<<"MARCH\t";   else if(i==4)
cout<<"APRIL\t"; else if(i==5) cout<<"MAY\t"; else if(i==6)
cout<<"JUNE\t"; else if(i==7) cout<<"JULY\t"; else if(i==8)
cout<<"AUGUST\t"; else if(i==9) cout<<"SEPTEMBER" ;   else
if(i==10) cout<<"OCTOBER"; else if(i==11) cout<<"NOVEMBER";else
if(i==12) cout<<"DECEMBER";
        cout<<"\t | \t\t";
        fil.open(fname,ios::binary|ios::in);
        while(fil.read((char*)&d,sizeof(d)))
        {

            if(i==d.mmm())
            {

                d.nameeee();
                cnt++;
                cout<<" ,";
                if(cnt%3==0)

```

3D

```
cout<<"\n\t\t\t \t\t";
}

}cout<<"\n"; fil.close();}
else if(op==2)
{ fstream fil;
datee d;
long int ag;
textcolor(YELLOW);
cout<<"          A G E           |                N A M E S \n\n\n\n" ;
int temp=0;
for(ag=1;ag<2018;ag++)
{temp=0;
fil.open(fname,ios::binary|ios::in);
while(fil.read((char*)&d,sizeof(d)))
{
if(ag==d.yyy())
{temp++;}
if(temp==1)
{cout<<"\n          "<<2017-ag<<"\t\t|      ";temp=2; }
if(ag==d.yyy())
{ d.namee();
cout<<" ,";}

}

fil.close();

}
```



```
getch();
```

```
}
```

```
void dateob(char fname[])
```

```
{clrscr();
```

```
fstream fil;
```

```
datee d; int sno=1;
```

```
textcolor(YELLOW);
```

```
cout<<"\n\n\n  ";
```

```
cprintf("      Sno.      |          NAME          |          DATE\n\n      DAY");
```

```
cout<<"\n      ";
```

```
cprintf("_____\n\n\n");
```

```
cout<<"\n\n\n";
```

```
textcolor(YELLOW);
```

```
fil.open(fname,ios::binary|ios::in);
```

```
while(fil.read((char*)&d,sizeof(d)))
```

```
{ cout<<"      "<<sno<<".\t|  ";
```

```
    cout<<setw(8);
```

```
d.nameee();
```

```
cout<<setw(15.5)<<"|";
```

```
cout<<"      ";
```

```
    d.dateobt();
```

```
cout<<"\n\n\n";
```

```
sno++;}fil.close();
```

```
getch();
```

```
}
```

```

class reminder
{
public :
    struct time t;
    struct date d;
    int m,h,set_0_1,set_0_2,da,mo ,ye,set_0_3,set_0_4,set_0_5;

    void rerem()
    {
        ofstream p("E:\\hour.txt");
        ofstream q("E:\\minute.txt");
        ofstream r("E:\\remind.txt");
        ofstream s("E:\\date.txt");
        ofstream t("E:\\month.txt");
        ofstream w("E:\\year.txt");
        set_0_1=0,set_0_2=0,set_0_3=0,set_0_4=0,set_0_5=0;
        p<<set_0_1;
        q<<set_0_2;

        s<<set_0_3;
        t<<set_0_4;
        w<<set_0_5;

        p.close();
        q.close();
        r.close();
        s.close();
        t.close();
        w.close();
    }
    void setrem()
    {

```

```

ofstream p("E:\\hour.txt");
ofstream q("E:\\minute.txt");
ofstream r("E:\\remind.txt");
ofstream s("E:\\date.txt");
ofstream t("E:\\month.txt");
ofstream w("E:\\year.txt");
cout<<"\n\n\t\t\t\t\tEnter Hour For Reminder : ";
cin>>set_0_1;
cout<<"\n\n\t\t\t\t\tEnter Minute For Reminder : ";
cin>>set_0_2;

```

```

set_0_3=remdt;
set_0_4=remmo;
set_0_5=remyr;

```

```

p<<set_0_1;
q<<set_0_2;

```

```

s<<set_0_3;
t<<set_0_4;
w<<set_0_5;
p.close();
q.close();
r.close();
s.close();
t.close();
w.close();
}

```

```

void remmatch()
{ che("friends.dat");
ifstream i("E:\\hour.txt");
ifstream j("E:\\minute.txt");
ifstream k("E:\\remind.txt");
ifstream z("E:\\date.txt");
ifstream e("E:\\month.txt");
ifstream f("E:\\year.txt");

```

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```
i>>set_0_1;
j>>set_0_2;

z>>set_0_3;
e>>set_0_4;
f>>set_0_5;
i.close();
j.close();
k.close();
z.close();
e.close();
f.close();
gettime(&t);
m=t.ti_min,h=t.ti_hour;
getdate(&d);
da=d.da_day,mo=d.da_mon,ye=d.da_year;

if((h==set_0_1)&&(m==set_0_2)&&(da==d.da_day)&&(mo==d.da_mon)&&(y
e==d.da_year))
{

if(tod==1)
{
clrscr();
cout<<"\n\n\n\n\t\t ::::::::::::::: ";
textcolor(RED);
cprintf("A T T E N S I O N");
textcolor(YELLOW);
cout<<" :::::::::::::::\n\n\n\n\t ";
textcolor(GREEN);
cprintf("T O D A Y   I S   Y O U R   F R I E N D 'S   B I R T H D
A Y   !! ");
sound(440);cout<<"\n\n\t\t NAME Of FRIEND ::   "<<remnam;
delay(4000);
nosound();
```

```

    }
}

}

};

class TIME
{
public :
    struct time t;
    int s,m,h,p;
    void showclock()
    {
        gettime(&t);
        s=t.ti_sec,m=t.ti_min,h=t.ti_hour;

        cout<<"\n\n\t\t\t";

        textcolor(3);

        cprintf(" %2d:%02d:%02d",h,m,s);
    }
};

class DATE
{
public :
    int newdate;
    struct date d;
    int p,m,y;
    void showdate()
    {
        getdate(&d);
        p=d.da_day;
        m=d.da_mon;
        y=d.da_year;
    }
};

```

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```
cout<<"\n\n\t\t\t\t"<<p<<"-"<<m<<"-"<<y;
```

```
newdate=(p + (2 * m)+((6*(m+1))/10)+y+(y/4)-(y/100)+(y/400)+1)%7;
```

```
switch (newdate)
```

```
{
```

```
case 0:
```

```
{
```

```
puts("\n\n\t\t\t\tThe Day is Sunday.");
```

```
break;
```

```
}
```

```
case 1:
```

```
{
```

```
puts("\n\n\t\t\t\tThe Day is Monday.");
```

```
break;
```

```
}
```

```
case 2:
```

```
{
```

```
puts("\n\n\t\t\t\tThe Day is Tuesday.");
```

```
break;
```

```
}
```

```
case 3:
```

```
{
```

```
puts("\n\n\t\t\t\tThe Day is Wednesday.");
```

```
break;
```

```
}
```

```
case 4:
```

```
{
```

```
puts("\n\n\t\t\t\tThe Day is Thursday.");
```

```
break;
```

```
}
```

```
case 5:
```

```
{
```

```
puts("\n\n\t\t\t\tThe Day is Friday.");
```

```
break;
```

```
}
```

```
case 6:
```

```

{
puts("\n\n\t\t\t\tThe Day is Saturday.");
break;
}
}
}
};

```

```

class STOP
{
int b;
public:
int newdate;
STOP(){}
STOP(int l){b=l;}
void display()
{
int j,m,h,s,ms,a;
ms=b%100;
a=b/100;
s=a%60;
j=a/60;
m=j%60;
h=a/3600;
cout<<"\n\n\t\t\t\t";
cout<<h<<": "<<m<<": "<<s<<": "<<ms;
}
};

```

```

class SET : public reminder
{
public :
void show()
{clrscr();
textcolor(YELLOW);
cout<<"\n\n\t\t\t\t";

```

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```
cprintf("R E M I N D E R");
cout<<" : \n\n";
textcolor(GREEN);
cprintf(" Press 1 To Set Reminders of All Friends");
cout<<"\n\n";
cprintf(" Press 2 To Set Reminders of Any Friend");
cout<<"\n\n";
cprintf(" Press 3 To Reset Reminders "); cout<<"\n\n";
cprintf(" Press 4 To Exit"); cout<<"\t : ";

}
};
```

```
union REGS in,out;

int callmouse()
{
    in.x.ax=1;
    int86(51,&in,&out);
    return 1;
}
void mouseposi(int &xpos,int &ypos,int &click)
{
    in.x.ax=3;
    int86(51,&in,&out);
    click=out.x.bx;
    xpos=out.x.cx;
    ypos=out.x.dx;
}
int mousehide()
{
```


3D

```
        in.x.ax=2;
        int86(51,&in,&out);
        return 1;
    }
    void setposi(int &xpos,int &ypos)
    {
        in.x.ax=4;
        in.x.cx=xpos;
        in.x.dx=ypos;
        int86(51,&in,&out);
    }
```

```
main()
{
    textcolor(YELLOW);
    clrscr();   char cz[10];
    cout<<"\n\n\n\n\n\n\t\t Enter Password :: ";
    for(int i=0;i<5;i++)
    {cz[i]=getch();
    cout<<"*";}
    getch();
    clrscr();

    if(!(strcmp(cz,pword)==0))
    cout<<"\n\n\n\n\n\n\t\t S O R R Y \n\n\t Its A WRONG PASSWORD --
";
    else
    {
```

```

int j=0,z=1,i;

for(z=1;z<26;z++)
{ gotoxy(34,z) ;
  cprintf(" | | ");
}
delay(500);
clrscr();
gotoxy(1,1);

```

```

gotoxy(1,1);

```

```

for(i=13;i>1;i--)
{gotoxy(18-i,i+13);
 cprintf(" | "); }
for(i=13;i>1;i--)
{gotoxy(60+i,12+i);
 cprintf(" | "); }

```

```

gotoxy(1,1);

```

```

for(i=0;i<13;i++)
{
gotoxy(i+5,i);
 cprintf(" | "); }

```

```

for(i=13;i>1;i--)
{gotoxy(60+i,14-i);
 cprintf(" | "); }

```

```
delay(500);
clrscr();
gotoxy(1,1);
for(i=0;i<13;i++)
{gotoxy(i,i);
cprintf(" | "); }
for( i=15;i<26;i++)
{ j=26-i;
gotoxy(j,i);
cprintf(" | "); }

gotoxy(1,1);
for(i=13;i>1;i--)
{gotoxy(65+i,i+13);
cprintf(" | "); }
for(i=1;i<13;i++)
{gotoxy(66+i,13-i);
cprintf(" | "); }
gotoxy(22,5);
textcolor(4);
cout<<" ";cprintf("D I G I T A L D I A R Y ");cout<<"
\n\n\t\t\t";cprintf(" D E V E L O P E R S ") ;
textcolor(CYAN+128);
cout<<"\n\n\t\t\t";
cprintf("_____");
textcolor(GREEN);
cout<<"\n\n\t\t\t";
cprintf("Retrieves Right Date At Right Time");
textcolor(CYAN+128);
cout<<"\n\t\t\t";
cprintf("_____");cout<<"\n\n\n\n\n\n\n\n\t\t\t\t";
textcolor(RED);
cprintf(" D E V E L O P E D B Y : ");cout<<"\n\n\t\t\t";
char pr[50]="-----Saurabh-----";
for(i=0;i<50;i++)
```

3D

```
{delay(90);
cout<<pr[i];
}
textcolor(RED);
cout<<"\n\n\n\n\t\t\t";
cprintf("L O A D I N G");
```

```
for(int x=1;x<10;x++)
{
cout<<" - ";
delay(850);
}
```

```
textcolor(YELLOW);
```

```
clrscr();
```

```
textcolor(GREEN);
cout<<"\n\n\t\t ";
cprintf("* * * * W E L C O M E T O * * * * ");
cout<<"\n\n\t\t ";
cprintf("D I A R Y O F C A L E N D A R ");
cout<<"\n\t\t";
textcolor(RED+128);
cprintf("_____");
textcolor(YELLOW);
cout<<"\n ";
```

```
cout<<"\t\t";
int x1,y1,cl1,a1,b1;
```

```

        cout<<"\n";
        cprintf("
_____ ");
        cout<<"\n\n";
        cprintf(" |          EXISTING      MEMBER      |
|          NEW      MEMBER      | ");
        cout<<"\n";
        cprintf("
_____ ");
        cout<<"\n\n      ";
        cprintf("(Use Your Mouse : LEFT Click On Any Option
To Select It ,                               & LEFT
Click Anywhere Else To Exit )\n");
        cout<<"\n\n\n\n";

        int g1=DETECT,m1;
        initgraph(&g1,&m1,"c:\tc\bgi");
        a1=100;
        b1=400;
        setposi(a1,b1);
        callmouse();
        do
        {
            mouseposi(x1,y1,c11);
            gotoxy(10,9);

            if((c11==1)&&(x1>31)&&(x1<320)&&(y1<7200))
            { optio=1; break;
            }
            else
            if((c11==1)&&(x1>380)&&(x1<601)&&(y1<7200))
            { optio=2; break;
            }

```

3D

```
else if(c11==1) {optio=3;break; }
```

```
}while(!kbhit());
```

```
if(optio==1)
{ clrscr();
```

```
textcolor(YELLOW);
cout<<"\n\n\n      ";
cprintf(" Enter Your USERNAME To Access The Account : ");
gets(password);
user("friends.dat");
more=13;
```

```
}
```

```
if(optio==3)
clrscr();
```

```
if((optio==2)||(optio==1))
```

```
{
```

```

if(optio==2)
{textcolor(YELLOW);
clrscr();
cout<<"\n\n\n          ";
date d;
textcolor(RED);
cprintf("          T H E   D I A R Y   M A K E R");
cout<<"\n          ";
textcolor(GREEN+128);
cprintf("          _____");
cout<<"\n\n\n  ";
textcolor(YELLOW);
cprintf("ENTER TOTAL NO. OF FRIENDS YOU HAVE ::  ");
cin>>friends;
create("friends.dat");

```

```

    clrscr();
    randomize();
    lucky= random(friends)+1;

```

```

cout<<"\n\n  ";
textcolor(GREEN);
cprintf("_____");
_____");
cout<<"\n\n";
cprintf(" S.no. ::      NAME      ::      BIRTH      ::
AGE  ::      FORTUNE      ");
cprintf("_____");
_____");
cout<<"\n\n\n";
textcolor(YELLOW);
dispall("friends.dat");
textcolor(GREEN);

```

```

cprintf("_____");
_____");
getch();

cout<<"\n\n\n\n\n";
textcolor(YELLOW);
cprintf("TODAY THE LUCKIEST PERSON AMONGST YOU IS ::");

display("friends.dat");
}
{
if(more==13)
do{

    int x,y,cl,a,b;
        clrscr();
        cout<<"\n";
                                textcolor(YELLOW);

cprintf("_____");
_____");
        cout<<"\n";
        cprintf(" | ADD | | EDIT | | DELETE | | GROUP |
| DAY | | REMINDER | | SPECIALITY |");

cprintf("_____");
_____");
        cout<<"\n\n";
        cprintf("(Use Your Mouse : LEFT Click On Any Option
To Select It ,                                RIGHT
Click To Know More About Options ..
& LEFT Click Anywhere Else To Exit )\n");
        cout<<"\n\n\n\n\n";

        int g=DETECT,m;
        initgraph(&g,&m,"c:\tc\bgi");
        a=100;
        b=400;

```


3D

```
setposi(a,b);
callmouse();
do
{
    mouseposi(x,y,cl);
    gotoxy(10,9);

    if((cl==1)&&(x>17)&&(x<52)&&(y<25000))
    { opti=1; break;
    }
    else if((cl==1)&&(x>85)&&(x<140)&&(y<2500))
    { opti=2; break;
    }

    else if((cl==1)&&(x>170)&&(x<231)&&(y<2500))
    { opti=3; break;
    }
else if((cl==1)&&(x>270)&&(x<304)&&(y<2500))
    { opti=4; break;
    }
else if((cl==1)&&(x>338)&&(x<393)&&(y<2500))
    { opti=5; break;
    }
else if((cl==1)&&(x>425)&&(x<500)&&(y<2500))
    { opti=6; break;
    }
else if((cl==1)&&(x>540)&&(x<631)&&(y<2500))
    { opti=7; break;
    }
    else if(cl==2) {opti=8;break;}
    else if(cl==1) {opti=9;break;}
while(!kbhit());
    cout<<"\n\n";
    if(optio==1)
    optio++;
if(opti==1)
{
    }
```

3D

```
cout<<"\n How Many More Friends You Want To Enter : " ;
cin>>nn; co=friends;

createe("friends.dat");      }
else if(opti==2)
{int fry;
cout<<"\n\n\n How Many FRIEND Records You Want To Edit : ";
cin>>fry;
for(int j=1;j<=fry;j++)
{cout<<"\n Which Friend No. You Want To Edit : ";
cout<<"\n (If You Don't Remember Friend No. Enter 'B'\ 'b' To go
back )      :      ";
cin>>(char)nn;
if((nn=='b' || nn=='B'))

{clrscr();
textcolor(BLUE);
textcolor(BLUE);
cout<<"\n\n      S.no.  ::          NAME          ::          BIRTH          ::
      AGE  ::      FORTUNE      \n\n\n";

dispall("friends.dat");
cout<<"\n\n\n Now Enter Which Friend no. you want to Edit : ";
cin>>nn;}
else nn-=48;
i=nn-1;
edit("friends.dat");  } }
else if(opti==3)
{
int fry;
cout<<"\n\n\n How Many FRIEND Records You Want To Delete : ";
cin>>fry;
for(int j=1;j<=fry;j++)
{
cout<<"\n Which Friend no. you want to delete : ";
cout<<"\n (If You Don't Remember Friend No. Enter ' B ' / 'b' To
go back )      :      ";
```

```

cin>>(char)nn;
if((nn=='b' || nn=='B'))
{clrscr();

textcolor(BLUE);
cprintf(" S.no. ::          NAME          ::          BIRTH          ::
AGE  ::          FORTUNE  ");
cout<<"\n\n\n";
dispall("friends.dat");
cout<<"\n\n\n Now Enter Which Friend no. you want to delete : ";
cin>>nn;}
else nn-=48;
delet("friends.dat","temp.dat");
remove("friends.dat");
rename("temp.dat","friends.dat");      }
friends-=fry;
}

else if(opti==4)
{

grp("friends.dat");
}
else if(opti==5)
{
dateob("friends.dat");
}
else if(opti==6)
{

    int i,x,y;
    TIME A;
    DATE B;
    SET C;

```

```

reminder e;

start:
clrscr();

while(!kbhit())
{   delay(1000);
    clrscr();

    textcolor(YELLOW);
    cout<<"\n\n\t\t";
    cprintf("_____") ;
    A.showclock();
    B.showdate();
    textcolor(YELLOW);
    cout<<"\n\n\t\t";
    cprintf("_____") ;

    cout<<"\n\n\n\n\t\t\t\t\tPress Any Key To Set REMINDER Or To Exit
\n";

    e.remmatch();

    cout<<"\n\n\t\t";

} getch();

cout<<"\n\n";
setting:
C.show();
cin>>y;
clrscr();
if(y==1)

```

```
{e.setrem();goto start; }
```

```
else if(y==2)
```

```
{ clrscr();
```

```
textcolor(YELLOW);
```

```
cout<<"\n\n";
```

```
cprintf(" S.no. ::          NAME          ::          BIRTH          ::
```

```
AGE ::          FORTUNE  ");
```

```
cout<<endl;
```

```
textcolor(GREEN);
```

```
cprintf("_____  
_____)");cout<<"\n\n\n";
```

```
dispall("friends.dat");
```

```
textcolor(GREEN);
```

```
cprintf("_____  
_____");
```

```
cout<<"\n\n ENTER FRIEND NO. : ";
```

```
int f;
```

```
cin>>f;
```

```
while(f>friends)
```

```
{ cout<<"\n\t TRY AGAIN : \n\n\tENTER FRIEND NO. : ";
```

```
cin>>f; }
```

```
e.setrem();goto start;}
```

```
else if(y==3)
```

```
{e.rerem();goto start;}
```

```
else
```

```
{ goto end; }
```

```
i=0;
```

```
start1:
```

```
while(!kbhit())
```

```
{
```

```
delay(10);
```

```
clrscr();
```

```
if(x==2)
```

```
{ clrscr();
```

```
i=i+1;
```

```

STOP S(i);
S.display();
}

}

getch();
goto setting;

end:
}

else if(opti==7)
{int opt;
cout<<"\n\n  Enter 1 To SEE Which Famous PERSONALITY Your Friend
Share His / Her B'day      \n\n  Enter 2 To SEE Which World
Occasion Is On Your Friend's B'day \n\n  Enter 3 To See The
INVENTIONS And DISCOVERIES That Took Place  : : ";
cin>>opt;
if(opt==1)
{
int choi;
textcolor(YELLOW);
cout<<"\n\n\n\t";
cprintf("Press 1 To See For All Friends");
cout<<"\n\t";
cprintf("Press 2 To See For Any Particular Friend  ::  ");
cin>>choi;

clrscr();
if(choi==1)
{
clrscr();
char n[70];
int d,dd;
fstream fil;
datee s;

```

```

textcolor(CYAN);
fil.open("friends.dat",ios::binary|ios::in);
cout<<"\n\n\t      ";cprintf("Personality's Name      |
Friend's Name  ");cout<<"\n\t ";
while(fil.read((char*)&s,sizeof(s)))

{
dd=s.persbday();
int g=0;

ifstream f1("person.txt");

while(!f1.eof())
{
f1.getline(n,70, '.');
f1>>d;
if(d==dd)
{ delay(500);
cout<<n<<"\n";g++; } }
f1.close();
if(g==0)
{cout<<"( Not Found in The Database )\t"; s.namee();}
else
{cout<<setw(35)<<"      ";
s.namee();      }
cout<<"\n\n\n\n";
}
fil.close();}
else if(choi==2)
{ textcolor(CYAN);
cout<<"\n\n";
cprintf(" S.no. ::      NAME      ::      BIRTH      ::
AGE ::      FORTUNE  ");
cout<<endl;
textcolor(GREEN);
cprintf("_____
_____");cout<<"\n\n\n";

```

```

dispall("friends.dat");
textcolor(GREEN);
cprintf("_____");
_____");
int fno;
cout<<"\n\n ENTER FRIEND NO. : ";
cin>>fno;
while(fno>friends)
{cout<<"\n TRY AGAIN \n ENTER FRIEND NO. : ";
cin>>fno; }

clrscr();
char n[70];
int d,dd,sn=1;
fstream fil;
date s;
textcolor(YELLOW);
fil.open("friends.dat",ios::binary|ios::in);
while(fil.read((char*)&s,sizeof(s)))

{
    if(sn==fno)
    {dd=s.persbday();
    cout<<"\n\n\t";cprintf(" Personality's Name |
Friend's Name ");
    cout<<"\n\n\t";

    ifstream f1("person.txt");
    while(!f1.eof())
    {
        f1.getline(n,70,'.');
        f1>>d;
        if(d==dd)
        {
            cout<<n;}
        }
        f1.close(); }

```


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```
cout<<setw(32);
if(sn==fno)
s.namee();
cout<<"\n\n\n\n";

sn++;
}

    fil.close();
}
else cout<<"\n  ____ Wrong Input____ ";

}

else if(opt==2)
{   int choi;
    textcolor(YELLOW);
    cout<<"\n\n\n\t";
    cprintf("Press 1 To See For All Friends");
    cout<<"\n\t";
    cprintf("Press 2 To See For Any Particular Friend  ::  ");
    cin>>choi;

    clrscr();
    if(choi==1)
    { clrscr();
      char n[150];
      int d,dd;
      fstream fil;
      datee s;
      textcolor(CYAN);
      fil.open("friends.dat",ios::binary|ios::in);
```

```

                                3D
cout<<"\n\n\t    ";cprintf("    World  Occasion    |
Friend's  Name  ");cout<<"\n\t    ";
while(fil.read((char*)&s,sizeof(s)))

{
dd=s.persbday();
int g=0;

ifstream f1("oc.txt");

while(!f1.eof())
{  f1>>d;
f1.getline(n,150,'. ');

if(d==dd)
{ delay(500);
cout<<n<<"\n";g++; } }
f1.close();
if(g==0)
{cout<<" (  Not Found in The Database  )\t"; s.namee();}
else
cout<<setw(35)<<"    ";
s.namee();
cout<<"\n\n\n\n";
}
fil.close();}
else if(choi==2)
{ textcolor(CYAN);
cout<<"\n\n";
cprintf(" S.no.  ::      NAME      ::      BIRTH      ::
AGE  ::      FORTUNE  ");
cout<<endl;
textcolor(GREEN);
cprintf("_____
_____");cout<<"\n\n\n";
dispall("friends.dat");
textcolor(GREEN);

```

```

cprintf("_____");
_____");
int fno;
cout<<"\n\n ENTER FRIEND NO. : ";
cin>>fno;
while(fno>friends)
{cout<<"\n TRY AGAIN \n ENTER FRIEND NO. : ";
cin>>fno; }

    clrscr();
    char n[150];
    int d,dd,sn=1;
    fstream fil;
    datee s;
    textcolor(YELLOW);
    fil.open("friends.dat",ios::binary|ios::in);
    while(fil.read((char*)&s,sizeof(s)))

    {
        if(sn==fno)
        {dd=s.persbday();
        cout<<"\n\n\t      ";cprintf(" World Occasion      |
Friend's Name      ");
        cout<<"\n\n\t";

        ifstream f1("oc.txt");
        while(!f1.eof())
        {
            f1>>d;
            f1.getline(n,150,'.');

            if(d==dd)
            {
                cout<<n;}
            }
        f1.close(); }
        cout<<setw(32)<<"      ";

```

```

if(sn==fno)
s.namee();
cout<<"\n\n\n\n";

sn++;
}

    fil.close();
}
else cout<<"\n  ____ Wrong Input____ ";

    }

        else if(opt==3)
{   int choi;
    textcolor(YELLOW);
    cout<<"\n\n\n\t";
    cprintf("Press 1 To See For All Friends");
    cout<<"\n\t";
    cprintf("Press 2 To See For Any Particular Friend  :: ");
    cin>>choi;

    clrscr();
    if(choi==1)
    { clrscr();
      char n[250];
      int d,dd;
      fstream fil;
      datee s;
      textcolor(CYAN);
      fil.open("friends.dat",ios::binary|ios::in);

      while(fil.read((char*)&s,sizeof(s)))

      {
      dd=s.yyy();
      cout<<"\n\n\t ";cprintf(" Friend's  Name  :: ");cout<<" ";

```

```

s.namee();
cout<<"\n\n\n\t ";
cprintf(" Invention On His B'day  :: ");cout<<"\n\n\t ";
ifstream f1("inv.txt");

while(!f1.eof())
{ f1>>d;
f1.getline(n,250,'. ');

if(d==dd)
{ delay(500);
cout<<n<<"\n\t"; } }
f1.close();

cout<<"\n\n\n\n";
}
fil.close();}
else if(choi==2)
{ textcolor(CYAN);
cout<<"\n\n";
cprintf(" S.no. ::          NAME          ::          BIRTH          ::
AGE  ::          FORTUNE  ");
cout<<endl;
textcolor(GREEN);
cprintf("_____
_____");cout<<"\n\n\n";
dispall("friends.dat");
textcolor(GREEN);
cprintf("_____
_____");
int fno;
cout<<"\n\n ENTER FRIEND NO. : ";
cin>>fno;
while(fno>friends)
{cout<<"\n TRY AGAIN \n ENTER FRIEND NO. : ";

```

```

cin>>fno; }

    clrscr();
    char n[250];
    int d,dd,sn=1;
    fstream fil;
    datee s;
    textcolor(YELLOW);
    fil.open("friends.dat",ios::binary|ios::in);

    while(fil.read((char*)&s,sizeof(s)))

    {
        if(sn==fno)
        {dd=s.yyy();
        cout<<"\n\n\t ";cprintf(" Friend's   Name   :: ");cout<<" ";

        s.namee();
        cout<<"\n\n\n\t ";
        cprintf(" Invention On His B'day   :: ");cout<<"\n\n\t ";
        ifstream f1("inv.txt");

        while(!f1.eof())
        {
            f1>>d;
            f1.getline(n,250,'. ');

            if(d==dd)
            {
                cout<<n;}
            }
            f1.close(); }

        sn++;
    }

```

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```
    fil.close();
}
else cout<<"\n  ____ Wrong Input____ ";

}

}
```

```
else if(opti==8)
{clrscr();
cout<<"\n\n\n\t- ADD lets You to Add Any No. of Friend
Records\n\n\n\t- EDIT lets You Edit Any No. of Friend
Records\n\n\n\t- DELETE lets You Delete Any No. of Friend
Records\n\n\n\t- DAY lets You to See the Day Of Birth Of Your
Friend\n\n\n\t- GROUP lets You Group Your Friend Records Either By
AGE or By MONTH\n\n\n\t- REMINDER lets You Set Reminder of Birthday
of Your Friends\n\n\n\t- SPECIALITY lets You Know The Speciality of
That Day : \n\t\t\t * Famous PERSONALITIES Born\n\t\t\t * World
OCCASIONS Celebrated\n\t\t\t * INVENTIONS & DISCOVERIES Made";
}
```

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```
if(opti==9)
break;
```

```
cout<<"\n\n\t\t PRESS '<---' Arrow Key To Go Back To OPTIONS &
\n\t\t Any Other Key To EXIT :  ";
flagopt=getch();
flagopt=getch(); }

while(flagopt==75);
```

```
clrscr();
textcolor(RED);
cout<<"\n\n\n";char tr[25]="YOUR
TRUE FRIENDS ";for( z=0;z<25;z++)
{delay(65);cout<<tr[z];}
cout<<" \n";
cout<<"\n\n";
textcolor(GREEN);
cprintf("_____");
cout<<"\n\n";
textcolor(YELLOW);
cprintf(" S.no. :: NAME :: BIRTH ::
AGE :: FORTUNE ");
cout<<endl;
textcolor(GREEN);
cprintf("_____");
cout<<"\n\n\n";
```



```

dispall("friends.dat");
textcolor(GREEN);
cprintf("_____");
_____");
    cout<<"\n\n\n    ";cprintf("NOTE : Don't Forget To Wish : ");
    che("friends.dat");
    cout<<remnam<<endl;
    textcolor(CYAN);
    if(tod==1)
        cprintf("Oh! Oh! HAPPY BIRTHDAY");
    else
        cprintf(" ( As His/Her B'day Is Nearest Among Your All
FRIENDS )");

        getch();
clrscr();

```

```

gotoxy(1,1);

```

```

        textcolor(YELLOW);

cprintf("-----");
-----");
    for(i=0;i<24;i++)
        {cout<<"\n";cprintf("|");}

cprintf("-----");
-----");
}
        for(i=1;i<25;i++)

```

3D

```
{gotoxy(80,i);
cprintf("|");}
    int save;
gotoxy(3,5);
    cprintf("::: Do You Want To Save Your Friend File
:::");
```

```
    cout<<"\n    ";
cprintf("Enter 1 For  Y E S ");
    cout<<"\n    ";
cprintf("Enter 2 For  N O  :  ");
    cin>>save;
    if(save==1)
        { cout<<"\n    Enter USERNAME :  ";
        gets(password);
        if((optio==1)||(optio==2))
            savee("friends.dat");    }
    gotoxy(10,5);
```

```
cout<<"\n\n\n\n\n\n\n\t\t\t ";
char k[20]="T H A N K  Y O U ";
```

```
for(int q=0;q<20;q++)
{ cout<<k[q];  delay(100);}
cout<<"\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t";
textcolor(YELLOW);
cprintf("Rate It At 'www.mpsshalimarbagh.com'");
```

```
} }
getch();
}
```