


```

//.....//
int date::check_valid(int dd,int mm,int yyyy)
{
    int flag=0;
    if(yyyy>0)
        if(mm>0&&mm<=12)
            if(dd>0&&dd<=days_in_month(mm,yyyy))
                flag=1;
    return flag;
}
//.....//
int date::abs(int a)
{
    if(a<0)
        a=-1*a;
    return a;
}
//.....//
void date::enter()
{
    cout<<"\nenter date(dd)\t\t";   cin>>dd;
    cout<<"enter month(mm)\t\t";   cin>>mm;
    cout<<"enter year(yyyy)\t";   cin>>yyyy;
}
//.....//
void date::display()
{
    cout<<dd<<"/"<<mm<<"/"<<yyyy;
}
//.....//

```

```

//Function To Add Days//
date date::newdate(date dt,int days_add)
{
date new_dt;
new_dt=dt;

if(check_valid(dt.dd,dt.mm,dt.yyyy)==1) //if date entered is valid
{
if(days_add<0)
{
for(int i=1;i<=abs(days_add);i++)
{
new_dt.dd--;
if(new_dt.dd<1)
{
new_dt.mm--;
if(new_dt.mm<1)
{
new_dt.mm=12;
new_dt.yyyy--;
}
new_dt.dd=days_in_month(new_dt.mm,new_dt.yyyy);
}
}
}
if(days_add>0)
{
for(int i=1;i<=abs(days_add);i++)
{
new_dt.dd++;
if(new_dt.dd>days_in_month(new_dt.mm,new_dt.yyyy))
{
new_dt.dd=1;
new_dt.mm++;
if(new_dt.mm>12)
{
new_dt.mm=1;
new_dt.yyyy++;
}
}
}
}
}
else
{
cout<<"\ninvalid date press any key to exit";
getch();
exit(0);
}
return new_dt;
}

```

```

//*****Void Main()*****//
void main()
{
    clrscr();
    int days_add;
    date dt,new_dt;

    cout<<"Enter Date\n";
    dt.enter();

    cout<<"\nEnter Days To Be Added Or Subtracted\t";
    cin>>days_add;

    new_dt=new_dt.newdate(dt,days_add);
    cout<<"Your new date is ";
    new_dt.display();

    getch();
}
//*****End Of Main*****//

```

Output

```

Enter Date
enter date(dd)      22
enter month(mm)     14
enter year(yyyy)    2014

Enter Days To Be Added Or Subtracted    11

invalid date press any key to exit_

```

```

Enter Date
enter date(dd)      22
enter month(mm)     12
enter year(yyyy)    2014

Enter Days To Be Added Or Subtracted    111
Your new date is 12/4/2015_

```