

```
public class Date {  
  
    private int year;  
  
    private int month;  
  
    private int day;  
  
    public int getyear(){  
        return year;  
    }  
  
    public void setyear (int y){  
        year = y;  
    }  
  
    public int getmonth() {  
        return month;  
    }  
  
    public void setmonth ( int m) {  
        month = m;  
    }  
  
    public int getday (){  
        return day;  
    }  
  
    public void setday (int d) {  
        day = d;  
    }  
}
```

```
public void display() {  
    System.out.println(day+ "/" + month+"/"+year);  
}  
  
public void increment (){  
    day++;  
    if (day ==31){  
        day =1;  
        month++;  
    }  
    if (month ==13){  
        month =1;  
        year++;  
    }  
}  
  
public void decrement(){  
    day--;  
    if (day ==0){  
        day = 30;  
        month--;  
    }  
    if (month ==0){  
        month = 12;  
        year--;  
    }  
}
```

```
}
```

-----

```
import java.util.Scanner;
```

```
public class TestDate {
```

```
    public static void main(String[] args) {
```

```
        Scanner S = new Scanner (System.in);
```

```
        Date d1 = new Date();
```

```
        Date d2 = new Date();
```

```
        System.out.println("Enter year of date1: ");
```

```
        int year1=S.nextInt();
```

```
        System.out.println("Enter month of date1: ");
```

```
        int month1=S.nextInt();
```

```
        System.out.println("Enter day of date1: ");
```

```
        int day1=S.nextInt();
```

```
        System.out.println("Enter year of date2: ");
```

```
        int year2=S.nextInt();
```

```
        System.out.println("Enter month of date2: ");
```

```
        int month2=S.nextInt();
```

```
        System.out.println("Enter day of date2: ");
```

```
        int day2=S.nextInt();
```

```
d1.setyear(year1);
```

```
d1.setmonth(month1);
```

```
d1.setday(day1);
```

```
d2.setyear(year2);
```

```
d2.setmonth(month2);
```

```
d2.setday(day2);
```

```
d1.increment();
```

```
d2.decrement();
```

```
System.out.println("the value of date1 after incrementing by one is: ");
```

```
d1.display();
```

```
System.out.println("the value of date2 after decrementing by one is: ");
```

```
d2.display();
```

```
}
```

```
}
```