

It also computes and displays the day number of the year for the date of birth. If it is invalid display "Invalid date" and terminates the program.

Sample Input/Output: Enter your Date of birth in DD/MM/YYYY format

5

1

2010

Date is valid

Day of the year :5

Enter your Date of birth in DD/MM/YYYY format

3

4

2010

Date is valid

Day of the year :93

Enter your Date of birth in DD/MM/YYYY format

34

6

2010

Invalid date

#### **Solution:**

```
import java.util.*;
```

```
class Date_2
```

```
{
```

```
    public static void main()
```

```
    {
```

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

```
        int i,d,m,y,f=1,s=0;
```

```
        int nod[]={0,31,28,31,30,31,30,31,31,30,31,30,31};
```

```
        System.out.println("Enter your Date of birth in DD/MM/YYYY format");
```

```
        d=sc.nextInt();
```

```
        m=sc.nextInt();
```

```
        y=sc.nextInt();
```

```
        if(m>12)
```

```
            f=0;
```

```
        if(m==2)
```

```
        {
```

```
            if(y%4==0)
```

```
                if(d>29)
```

```
                    f=0;
```

```
            else
```

```
                if(d>28)
```

```
                    f=0;
```

```
        }
```

```

if(m==1 || m==3||m==5||m==7||m==8||m==10||m==12)
{
    if(d>31)
        f=0;
}
else
{
    if(d>30)
        f=0;
}

```

```

if(f==1)
{
    System.out.println("Date is valid");
    i=1;
    while(i<m)
    {
        s=s+nod[i];
        i++;
    }
    s=s+d;
    System.out.println("Day of the year :"+s);
}
else
    System.out.println("Invalid date");
}
}

```