***Date***

***1. class Name : MyDate***

***Data member : int dd,mm,yy***

***MyDate() : Constructor to initialize data member***

***void Accept() : To accept day, month and year***

***int JulianDate() : To find the number of days between the beginning of the given year to the given date.***

***void Display() : To print the Julian date***

***import java.io.\*;***

***class MyDate***

***{***

***BufferedReader br=new BufferedReader (new InputStreamReader(System.in));***

***int dd,mm,yy;***

***MyDate()***

***{***

***dd=mm=yy=0;***

***}***

***void Accept()throws IOException***

***{***

***System.out.println("Enter day");***

***dd=Integer.parseInt(br.readLine());***

***System.out.println("Enter month");***

***mm=Integer.parseInt(br.readLine());***

***System.out.println("Enter year");***

***yy=Integer.parseInt(br.readLine());***

***}***

***int JulianDate()***

***{***

***int max[]={0,31,28,31,30,31,30,31,31,30,31,30,31};***

***if (yy%4==0)***

***max[2]=29;***

***int jul=0,i;***

***for(i=0;i<(mm-1);i++)***

***{***

***jul=jul+max[i];***

***}***

***jul=jul+dd;***

***return jul;***

***}***

***void Display()***

***{***

***System.out.println("Julian Date is "+JulianDate());***

***}***

***public static void main (String args[])throws IOException***

***{***

***MyDate D=new MyDate();***

***D.Accept();***

***D.Display();***

***}***

***}***

***Input:***

***Enter day***

***23***

***Enter month***

***09***

***Enter year***

***2020***

***Output:***

***Julian Date is 236***

***2. class Name : MyDate***

***Data member : int dd,mm,yy***

***MyDate() : Constructor to initialize data member***

***int diff2(MyDate X) : Difference between current object and objectX. Assuming the year in both the dates are same.***

***void Display() : To print the difference between 2 dates.***

***import java.util.\*;***

***class MyDate***

***{***

***String date;***

***int dd,mm,yy;***

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

***void accept()***

***{***

***System.out.println***

***(" Enter a date as (dd/mm/yyyy)");***

***date=sc.nextLine();***

***dd=Integer.parseInt(date.substring(0,2));***

***mm=Integer.parseInt(date.substring(3,5));***

***yy=Integer.parseInt(date.substring(6));***

***}***

***int diff(MyDate x)***

***{***

***int a[]={31,28,31,30,31,30,31,31,30,31,30,31};***

***int d=0;***

***int i;***

***if(mm==x.mm)***

***{***

***if(x.dd>dd)***

***{***

***d=x.dd-dd;***

***}***

***if(x.dd<dd)***

***{***

***d=dd-x.dd;***

***}***

***}***

***if(mm<x.mm)***

***{***

***d=a[mm-1]-dd;***

***for(i=mm;i<x.mm-1;i++)***

***{***

***d=d+a[i];***

***}***

***d=d+x.dd;***

***}***

***if(mm>x.mm)***

***{***

***d=a[x.mm-1]-x.dd;***

***for(i=x.mm;i<mm-1;i++)***

***{***

***d=d+a[i];***

***}***

***d=d+dd;***

***}***

***return d;***

***}***

***void display(MyDate x)***

***{***

***System.out.println(diff(x));***

***}***

***public static void main(String args[])***

***{***

***MyDate M1 = new MyDate();***

***MyDate M2 = new MyDate();***

***M1.accept();***

***M2.accept();***

***M1.display(M2);***

***}***

***}***

***Input:***

***Enter a date as (dd/mm/yyyy)***

***03/12/1995***

***Output:  
05/12/1995***

***2***

***3. Write a program to accept date in dd-mm-yyyy format and print the same in words***

***Input : 31- 03-2012***

***Output1 : Thirty one – Three – Two Thousand and Twelve***

***Output2 : 31st-March-2012***

***import java.util.\*;***

***class MyDate***

***{***

***String date;***

***int dd,mm,yy;***

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

***void accept()***

***{***

***System.out.println***

***(" Enter a date as (dd/mm/yyyy)( between the year 2000 and 2099)");***

***date=sc.nextLine();***

***dd=Integer.parseInt(date.substring(0,2));***

***mm=Integer.parseInt(date.substring(3,5));***

***yy=Integer.parseInt(date.substring(6));***

***}***

***void control()***

***{***

***String m1[]={"one","two","three","four","five"," six","seven",***

***"eight"," nine"," ten"," eleven","twelve","thirteen","fourteen",***

***"fifteen","sixteen","seventeen","eighteen","nineteen"};***

***String m2[]={"ten","twenty","thirty","forty","fifty",***

***"sixty","seventy", "eighty","ninety"};***

***if(dd>=1&&dd<=19)***

***{***

***System.out.print(m1[dd-1]+"-");***

***}***

***if(dd==20)***

***{***

***System.out.print(m2[0]+"-");***

***}***

***if(dd==30)***

***{***

***System.out.print(m2[1]+"-");***

***}***

***if(dd>=21&&dd<=29)***

***{***

***System.out.print(m2[0]+" "+m1[(dd%20)-1]+"-");***

***}***

***if(dd>=31&&dd<=39)***

***{***

***System.out.print(m2[1]+" "+m1[(dd%30)-1]+"-");***

***}***

***System.out.print(m1[mm-1]+"-");***

***System.out.print("two thousand and");***

***int x=yy%2000;***

***if(x>=1&&x<=19)***

***{***

***System.out.print(m1[x-1]);***

***}***

***if(dd>=21&&dd<=29)***

***{***

***System.out.print(m2[0]+" "+m1[(x%20)-1]);***

***}***

***if(dd>=31&&dd<=39)***

***{***

***System.out.print(m2[1]+" "+m1[(x%30)-1]);***

***}***

***if(dd>=41&&dd<=49)***

***{***

***System.out.print(m2[2]+" "+m1[(x%40)-1]);***

***}***

***if(dd>=51&&dd<=59)***

***{***

***System.out.print(m2[3]+" "+m1[(x%50)-1]);***

***}***

***if(dd>=61&&dd<=69)***

***{***

***System.out.print(m2[4]+" "+m1[(x%60)-1]);***

***}***

***if(dd>=71&&dd<=79)***

***{***

***System.out.print(m2[5]+" "+m1[(x%70)-1]);***

***}***

***if(dd>=81&&dd<=89)***

***{***

***System.out.print(m2[6]+" "+m1[(x%80)-1]);***

***}***

***if(dd>=91&&dd<=99)***

***{***

***System.out.print(m2[7]+" "+m1[(x%90)-1]);***

***}***

***}***

***public static void main(String args[])***

***{***

***MyDate M = new MyDate();***

***M.accept();***

***M.control();***

***}***

***}***

***Input:***

***Enter a date as (dd/mm/yyyy)( between the year 2000 and 2099)***

***25/12/2004***

***Output:  
twenty five-twelve-two thousand and four***