

```
1
2  /**
3   A PROGRAM TO INPUT A NUMBER OF GREATER THAN 5 OR EQUAL TO FIVE DIGI
4   TS.
5   CONSIDER THE LAST FOUR DIGITS AS THE YEAR AND THE DIGITS IN THE BEG
6   INING AS THE NUMBER OF DAYS.
7   CONVERT THE NUMBER ENTERED INTO A DATE.
8   Ex:152007 -> 15 JANUARY 2007
9   */
10  //SUCHIT TE XII A
11  import java.util.*;
12  public class NumdaysToDate
13  {
14      public static void main()
15      {
16          Scanner sc = new Scanner(System.in);
17          System.out.println("A PROGRAM TO INPUT A NUMBER OF GREATER THA
18          N 5 OR EQUAL TO FIVE DIGITS AND CONVERT IT TO A DATE.");
19          System.out.println("IN WHICH THE LAST 4 DIGITS IS TAKEN AS THE
20          YEAR");
21          System.out.println("AND THE DIGITS IN THE BEGINING AS THE NUMB
22          ER OF DAYS.");
23          System.out.println("Ex:152007 -> 15 JANUARY 2007");
24          System.out.println("ENTER A NUMBER OF >=5 DIGITS");
25          int num=sc.nextInt();
26          String check=Integer.toString(num);
27          if(check.length()<5)
28          {
29              System.out.println("INVALID INPUT");
30              System.exit(0);
31          }
32          int year = (num % 10000);
33          int numOfDays=(num / 10000);
34          String months[]={ "JANUARY", "FEBRUARY", "MARCH", "APRIL", "MAY", "J
35          UNE", "JULY", "AUGUST", "SEPTEMBER", "OCTOBER", "NOVEMBER", "DECEMBER" };
36          int days[]={31,28,31,30,31,30,31,31,30,31,30,31};
37          int date=0;
38          String month="";
39          int yrs = numOfDays/365;
40          if(yrs==0)
41          {
42              int temp=0;
43              int flag=0;
44              for(int i=0;i<12;i++)
45              {
46                  temp=temp+days[i];
47                  if(numOfDays<temp || numOfDays==temp)
48                  {
49                      flag=i;
50                      break;
51                  }
52                  else if(numOfDays>temp)
53                  {
54                      continue;
55                  }
56              }
57          }
58      }
59  }
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49         }
50     }
51     month=months[flag];
52     date=temp-numOfDays;
53     date=days[flag]-date;
54     if(year%4==0 && (flag>1&&numOfDays!=60))
55     {
56         date--;
57     }
58     else if(year%4==0 && numOfDays==60)
59     {
60         date=29;
61         month=months[flag-1];
62     }
63 }
64 else if(yrs>0 )
65 {
66     while(yrs!=0)
67     {
68         numOfDays=numOfDays-365;
69         year++;
70         yrs--;
71         if(year%4==0 && numOfDays - (yrs*365)>=60)
72         {
73             date++;
74         }
75     }
76     int temp=0;
77     int flag=0;
78     for(int i=0;i<12;i++)
79     {
80         temp=temp+days[i];
81         if(numOfDays<temp || numOfDays==temp)
82         {
83             flag=i;
84             break;
85         }
86         else if(numOfDays>temp)
87         {
88             continue;
89         }
90     }
91     month=months[flag];
92     date=temp-numOfDays;
93     date=days[flag]-date;
94     if(year%4==0 && (flag>1&&numOfDays!=60))
95     {
96         date--;
97     }
98     else if(year%4==0 && numOfDays==60)
99     {
100         date=29;
101         month=months[flag-1];
102     }
```

```
103         }
104         System.out.println(date+" "+month+" "+year);
105     }
106 }
107
```