

```
1 import java.util.Scanner;
2
3 public class determineIC {
4
5     public static void main(String[] args) {
6
7         System.out.print("Please enter your IC : ");
8         Scanner sc = new Scanner(System.in);
9
10        String ic = sc.nextLine();
11        String gender = ic.substring(11,12);
12        String month = ic.substring(2,4);
13        String place = ic.substring(6,8);
14        String age = ic.substring(0,2);
15
16        int jantina = Integer.parseInt(gender);
17
18        if (jantina%2 == 0)
19            gender = "Female";
20        else
21            gender = "Male";
22
23
24        int bulan = Integer.parseInt(month);
25        switch (bulan)
26        {
27            case 01 : month = "January" ; break;
28            case 02 : month = "February" ; break;
29            case 03 : month = "March" ; break;
30            case 04 : month = "April" ; break;
31            case 05 : month = "May" ; break;
32            case 6 : month = "June" ; break;
33            case 07 : month = "July" ; break;
34            case 8 : month = "August" ; break;
35            case 9 : month = "September" ; break;
36            case 10 : month = "October" ; break;
37            case 11 : month = "November" ; break;
38            case 12 : month = "December" ; break;
39            default : month = "Invalid month";
40        }
41
42        int tempat = Integer.parseInt(place);
43
44        switch (tempat)
45        {
46            case 01 : place = "Johor" ; break;
47            case 02 : place = "Kedah" ; break;
48            case 03 : place = "Kelantan" ; break;
49            case 04 : place = "Melaka" ; break;
50            case 05 : place = "Negeri Sembilan" ; break;
51            case 06 : place = "Pahang" ; break;
52            case 07 : place = "Pulau Pinang" ; break;
53            case 8 : place = "Perak" ; break;
54            case 9 : place = "Perlis" ; break;
55            case 10 : place = "Selangor" ; break;
56            case 11 : place = "Terengganu" ; break;
57            case 12 : place = "Sabah" ; break;
58            case 13 : place = "Sarawak" ; break;
59            case 14 : place = "Kuala Lumpur" ; break;
60            case 15 : place = "Labuan" ; break;
61            case 16 : place = "Putrajaya" ; break;
62        }
```

```
63
64
65
66
67     int umur = Integer.parseInt(age);
68
69     if (umur >=00 && umur < 21)
70         umur = 21-umur;
71     else if (umur > 21)
72     {
73         umur = 1900 + umur;
74         umur = 2021 -umur;
75     }
76
77     System.out.println("Gender : " + gender);
78     System.out.println("Birth month : " + month);
79     System.out.println("Place of birth : " + place);
80     System.out.println("Your current age : " + umur);
81
82
83
84
85
86 }
87
88 }
89
```

Test case 1 :

Please enter your IC : 021120160088
Gender : Female
Birth month : November
Place of birth : Putrajaya
Your current age : 19

Test case 2 :

Please enter your IC : 740613065768
Gender : Female
Birth month : June
Place of birth : Pahang
Your current age : 47

Test case 3 :

Please enter your IC : 551125095009
Gender : Male
Birth month : November
Place of birth : Perlis
Your current age : 66