

WhatsApp

Online Java Compiler

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Programiz

Online Java Compiler

LOOKING TO LEARN PROGRAMMING?

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Interactive Java Course

Main.java

```
1 import java.util.Scanner;
2
3 public class leapYear {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6
7         // Prompt the user to enter the date in the format of DD/MM/YY
8         System.out.print("Enter the date in the format of DD/MM/YY: ");
9         String date = scanner.nextLine();
10
11         // Split the input date into day, month, and year using the "/" delimiter
12         String[] dateParts = date.split("/");
13         int day = Integer.parseInt(dateParts[0]);
14         int month = Integer.parseInt(dateParts[1]);
15         int year = Integer.parseInt(dateParts[2]);
16
17         // Determine whether the year is a leap year or not
18         boolean isLeapYear = false;
19         if (year % 4 == 0) {
20             if (year % 100 == 0) {
21                 if (year % 400 == 0) {
22                     isLeapYear = true;
23                 }
24             } else {
25                 isLeapYear = true;
26             }
27         }
28
29         // Display the result
30         if (isLeapYear) {
31             System.out.println(year + " is a leap year.");
32         } else {
33             System.out.println(year + " is not a leap year.");
34         }
35     }
36 }
```

Run

Output

Clear

Enter the date in the format of DD/MM/YY: 04/11/1947

1947 is not a leap year

Windows Taskbar

9:34 AM 4/1/2021

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Cyber Java Compiler

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Main.java

Run

Output

Clear

```
1 import java.util.Scanner;
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3 public class leapYear {
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32         } else {
33             System.out.println(year + " is not a leap year.");
34         }
35     }
36 }
```

```
java.io.IOException: Exception
Enter the date in the format of DD/MM/YY: 11/15/1996
1996 is a leap year.
```

Windows taskbar with icons for File Explorer, Microsoft Edge, Google Chrome, and others. System clock shows 9:16 AM on 4/1/2021.

```

Main.java
1  package com.company;
2  Scanner scanner = new Scanner(System.in);
3
4  // Prompt the user to enter the date in the format of DD/MM/YY
5  System.out.print("Enter the date in the format of DD/MM/YY: ");
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23     }
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27 if (isLeapYear) {
28     System.out.println(year + " is a leap year.");
29 } else {
30     System.out.println(year + " is not a leap year.");
31 }
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33 }
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```

```

Output
Enter the date in the format of DD/MM/YY: 31/45/1996
1996 is a leap year |

```

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Main.java

```
1 import java.util.Scanner;
2 Scanner scanner = new Scanner(System.in);
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20         }
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23     }
24 }
25
26 // Display the result
27 if (isLeapYear) {
28     System.out.println(year + " is a leap year.");
29 } else {
30     System.out.println(year + " is not a leap year.");
31 }
```

Output

```
Enter the date in the format of DD/MM/YY: 04/09/1947
1947 is not a leap year
```

9:47 AM
4/1/2021

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Main.java

```
1 package com.programiz.java;
2 Scanner scanner = new Scanner(System.in);
3
4 // Prompt the user to enter the date in the format of DD/MM/YY
5 System.out.print("Enter the date in the format of DD/MM/YY: ");
6 String date = scanner.nextLine();
7
8 // Split the input date into day, month, and year using the "/" delimiter
9 String[] dateParts = date.split("/");
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16 if (year % 4 == 0) {
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19             isLeapYear = true;
20         } else {
21             isLeapYear = false;
22         }
23     } else {
24         isLeapYear = true;
25     }
26 }
27
28 // Display the result
29 if (isLeapYear) {
30     System.out.println(year + " is a leap year.");
31 } else {
32     System.out.println(year + " is not a leap year.");
33 }
34 }
```

Output

```
Enter the date in the format of DD/MM/YY: 00/00/2000
2000 is a leap year.
```

9:48 AM
4/1/2021