

Java Date, Time and Calendar

1. Write a Java program to create a Date object using the Calendar class.
2. Write a Java program to get and display information (year, month, day, hour, minute) of a default calendar.
3. Write a Java program to get the maximum value of the year, month, week, date from the current date of a default calendar.
4. Write a Java program to get the minimum value of year, month, week, date from the current date of a default calendar.
5. Write a Java program to get the current time in New York.
6. Write a Java program to get current full date and time.
7. Write a Java program to get the last day of the current month.
8. Write a Java program to get the last date of the month.
9. Write a Java program to calculate the first and last day of each week.
10. Write a Java program to get the name of the first and last day of a month.
11. Write a Java program to get the number of days of a month.
12. Write a Java program to get localized day-in-week name.
13. Write a Java program to get a day of the week of a specific date.
14. Write a Java program to get the current local time.
15. Write a Java program to add some hours to the current time.
16. Write a Java program to get a date after 2 weeks.
17. Write a Java program to get a date before and after 1 year compares to the current date.
18. Write a Java program to check a year is a leap year or not.
19. Write a Java program to get year and months between two dates.
20. Write a Java program to get current timestamp.
21. Write a Java program to get the current time in all the available time zones.
22. Write a Java program to get the dates 10 days before and after today.

23. Write a Java program to get the months remaining in the year.

24. Write a Java program to display the dates in the following formats.

Sample format :

```
Default format of LocalDate=2016-09-16
16::Sep::2016
Default format of LocalDateTime=2016-09-16T11:46:01.455
16::Sep::2016 11::46::01
Default format of Instant=2016-09-16T06:16:01.456Z
Default format after parsing = 2014-04-27T21:39:48
```

25. Write a Java program to get the information of current/given year.

Sample format :

```
Sample Output :
Current Year: 2001
Is current year leap year? false
Length of the year: 365 days
```

26. Write a Java program to get the information of current/given month.

Sample format :

```
Sample Output :
Integer value of the current month: 2
Length of the month: 28
Maximum length of the month: 29
First month of the Quarter: JANUARY
```

27. Write a Java program to get the information of a given time.

28. Write a Java program to display the date time information before some hours and minutes from current date time.

29. Write a Java program to convert a string to date.

30. Write a Java program to compute the difference between two dates (year, months, days).

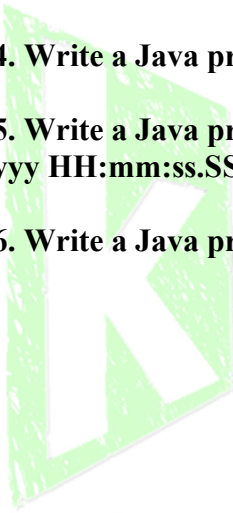
31. Write a Java program to compute the difference between two dates (Hours, minutes, milli, seconds and nano).

32. Write a Java program to calculate your age.

33. Write a Java program to get the next and previous Friday.

34. Write a Java program to get today's date at midnight time.

35. Write a Java program to extract date, time from the date string.
36. Write a Java program to convert a unix timestamp to date in Java.
37. Write a Java program to find seconds since 1970.
38. Write a Java program to calculate the difference between two dates in days.
39. Write a java program to convert String to date and time and vice a versa.
40. Write a Java program to display current date without time and current time without date.
41. Write a Java program to display combine local date and time in a single object.
42. Write a Java program to define a period of time using date-based values (Period) and a duration of time using time-based values (Duration).
43. Write a Java program to display all the available time zones with UTC and GMT.
44. Write a Java program to define and extract zone offsets.
45. Write a Java program to print yyyy-MM-dd, HH:mm:ss, yyyy-MM-dd HH:mm:ss, E MMM yyyy HH:mm:ss.SSSZ and HH:mm:ss,Z, format pattern for date and time.
46. Write a Java program to count the number of days between two given years.



ROSAMKIHEDA

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