



Hands-on No. : 9

Topic : Date and Time API -1

Date : 13-08-25

Solve the following problems

Question No.	Question Detail
1	a) Check Leap Year: Write a program to check if a given year is a leap year
	using LocalDate.
	b) Day of Week Finder: Find out the day of the week for a given date (e.g.,
	your birthday).
	c) Date Comparison : Check if a given date is in the past or future compared
	to today.
	d) Add/Subtract Days : Add 30 days to the current date and display the
	result.
	e) Find Next Tuesday: Find the date of the next Tuesday from today using
	TemporalAdjusters.
2	a) Current Time Display : Display the current time in HH:mm:ss format.
	b) Time Difference : Calculate the number of minutes between now and a
	given time (e.g., lunch at 13:00).
	c) Add Time : Add 1 hour and 15 minutes to the current time.
	d) Compare Times : Check if a given time is before or after the current
	time.
	a) Combine Date and Time: Create a LocalDateTime object using
3	LocalDate and LocalTime.
	b) Calculate Duration: Calculate how many hours are between two
	LocalDateTime objects (e.g., from course start to end).
	c) Schedule a Meeting : Given a start date and time, find the date and time
	after 3 days and 5 hours.
4	a) Time in Another Zone : Display the current date and time in Asia/Tokyo
	and America/New_York using ZonedDateTime.
	b) Convert to UTC: Convert the current local date-time to UTC using
	ZoneId.of("UTC").





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Format and Parse Dates: Format the current date in dd-MM-yyyy format and then parse it back to a LocalDate object using DateTimeFormatter

