Test-drive the Date class to implement both pre-increment and post-increment operations in two ways:

1. Increment by One Day: Implement and test the functionality to increment the date by one day.

2. Increment by N Days: Implement and test the functionality to increment the date by a specified number of days (N).

**Note**: Ensure that the program handles edge cases, including:

End of the Month: Incrementing on the last day of a month should correctly update both the day and month.

End of the Year: Incrementing on the last day of the year should correctly update the day, month, and year.