import java.time.LocalDate; import java.util.Scanner;

import java.time.Period;

public class AgeFinder {

LocalDate date = LocalDate.now();

public int getAge(LocalDate dateOfBirth) {

return Period.between(dateOfBirth, date).getYears();

}

public LocalDate getDateAfterNDays(int noOfDays) { LocalDate today = LocalDate.now();

return today.plusDays(noOfDays);

}

public LocalDate getDateAfterXYearsYMonthsZDays(int year, int months, int days) { return date.plusDays(days).plusMonths(months).plusYears(year);

}

public static void main(String[] args) { Scanner scanner = new Scanner(System.in);

AgeFinder ageFinder = new AgeFinder();

System.out.print("Enter your date of birth (yyyy-mm-dd): "); LocalDate dob = LocalDate.parse(scanner.next());

int age = ageFinder.getAge(dob);

System.out.println("Your age is: " + age + " years");

System.out.print("Enter the number of days: "); int days = scanner.nextInt();

LocalDate dateAfterNDays = ageFinder.getDateAfterNDays(days);

System.out.println("The date after " + days + " days is: " + dateAfterNDays);

System.out.print("Enter the number of years, months, and days: "); int years = scanner.nextInt();

int months = scanner.nextInt(); int Days = scanner.nextInt();

LocalDate dateAfterXYZ = ageFinder.getDateAfterXYearsYMonthsZDays(years, months, Days);

System.out.println("The date after " + years + " years, " + months + " months, and " + Days + " days is: " + dateAfterXYZ);

scanner.close();

}

}

OUTPUT:

D:\JavaProgrammingFundamentals>javac AgeFinder.java

D:\JavaProgrammingFundamentals>java AgeFinder Enter your date of birth (yyyy-mm-dd): 1989-10-26 Your age is: 34 years

Enter the number of days: 15

The date after 15 days is: 2024-01-20

Enter the number of years, months, and days: 1 2

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The date after 1 years, 2 months, and 3 days is: 2025-03-08