1. Challenge: Get current date and time using LocalDateTime

import java.time.LocalDateTime;

public class CurrentDateTime {

public static void main(String[] args) {

LocalDateTime now = LocalDateTime.now();

System.out.println("Current Date and Time: " + now);

}

}

2. Challenge: Calculate age given a birth date

import java.time.LocalDate;

import java.time.Period;

public class CalculateAge {

public static void main(String[] args) {

LocalDate birthDate = LocalDate.of(2000, 1, 1);

LocalDate today = LocalDate.now();

Period age = Period.between(birthDate, today);

System.out.println("Age: " + age.getYears() + " years");

}

}

3. Challenge: Format date in dd-MM-yyyy format

import java.time.LocalDate;

import java.time.format.DateTimeFormatter;

public class FormatDate {

public static void main(String[] args) {

LocalDate date = LocalDate.now();

DateTimeFormatter formatter = DateTimeFormatter.ofPattern("dd-MM-yyyy");

System.out.println("Formatted Date: " + date.format(formatter));

}

}

4. Challenge: Add 5 days to current date and print

import java.time.LocalDate;

public class AddDays {

public static void main(String[] args) {

}

LocalDate today = LocalDate.now();

LocalDate futureDate = today.plusDays(5);

System.out.println("Date after 5 days: " + futureDate);

}

5. Challenge: Round a decimal to 2 places using BigDecimal

import java.math.BigDecimal;

import java.math.RoundingMode;

public class RoundDecimal {

public static void main(String[] args) {

BigDecimal number = new BigDecimal("123.456789");

BigDecimal rounded = number.setScale(2, RoundingMode.HALF\_UP);

System.out.println("Rounded: " + rounded);

}

}