

```
//Print current date and time
package Date_Time_Numeric;
import java.time.LocalDate;
import java.time.LocalDateTime;
import java.time.LocalTime;
public class Challenge1 {
    public static void main(String[] args) {
        LocalDate date = LocalDate.now();
        LocalTime time = LocalTime.now();
        LocalDateTime dt = LocalDateTime.now();

        System.out.println("Date: "+date);
        System.out.println("Time: "+time);
        System.out.println("Date Time: "+dt);

    }
}
```

```
package Date_Time_Numeric;
import java.time.LocalDate;
import java.time.Period;
//Challenge: Calculate age given a birth date.
public class Challenge2 {
    public static void main(String[] args) {
        LocalDate date = LocalDate.now();
        LocalDate birthDate = LocalDate.of(2002,03,22);
        Period age = Period.between(birthDate, date);

        System.out.println("Age: "+age.getYears()+" years " + age.getMonths()+"
months");
    }
}
```

```
package Date_Time_Numeric;
import java.time.LocalDate;
import java.time.format.DateTimeFormatter;
//Challenge: Format date in dd-MM-yyyy format.
public class Challenge3 {
    public static void main(String[] args) {
        LocalDate date = LocalDate.now();
        DateTimeFormatter formatter = DateTimeFormatter.ofPattern("dd-MM-yyyy");
        String formattedDate = date.format(formatter);
        System.out.println("Formatted Date: " + formattedDate);

    }
}
```

```
package Date_Time_Numeric;
import java.time.LocalDate;
//Challenge: Add 5 days to current date and print.
public class Challenge4 {
    public static void main(String[] args) {
        LocalDate date = LocalDate.now();

        LocalDate after5Days = date.plusDays(5);
        System.out.println("Today: "+date);
        System.out.println("After 5 days: "+after5Days);
    }
}
```

```
package Date_Time_Numeric;
import java.math.BigDecimal;
import java.math.RoundingMode;
//Challenge: Round a decimal to 2 places using BigDecimal
public class Challenge5 {
    public static void main(String[] args) {
        double n = 234.234235;
        BigDecimal bd = new BigDecimal(n);
        BigDecimal rounded = bd.setScale(2, RoundingMode.HALF_UP);
        System.out.println("Original: " + n);
        System.out.println("Rounded (2 decimal places): " + rounded);
    }
}
```