Objective: Create a system to manage music stars and their musical instruments using Java, demonstrating object-oriented programming concepts.

Classes:

1. Instrument
   * Attributes: type, brand, color
   * Methods: play()
2. Guitar (Subclass of Instrument)
   * Additional Attribute: numberOfStrings
   * Additional Method: strum()
3. Piano (Subclass of Instrument)
   * Additional Attribute: numberOfKeys
   * Additional Method: pressKeys()
4. MusicStar
   * Attributes: name, age, mainInstrument
   * Methods: perform(int days)

Tasks:

1. Create instances of Guitar and Piano using constructors.
2. Create MusicStar instances and assign them a primary instrument.
3. Use getter and setter methods to demonstrate encapsulation.
4. Show inheritance with Guitar and Piano inheriting from Instrument.
5. Implement the perform(int days) method to simulate performances:
   * Use a loop to iterate through each day of performance.
   * Generate random hours played each day (between 1 to 5 hours). (Check google to know how to generate random numbers in Java)
   * Calculate and display total hours played.
   * Implement simple special events:
     + Every 3rd day: Display "Special performance today!"
     + Every 5th day: Display "Milestone reached!"

**Sample Input:**

java

Guitar electricGuitar = **new** Guitar("Electric Guitar", "Fender", "Sunburst", 6);

Piano grandPiano = **new** Piano("Grand Piano", "Steinway", "Black", 88);

MusicStar johnDoe = **new** MusicStar("John Doe", 30, electricGuitar);

MusicStar janeSmith = **new** MusicStar("Jane Smith", 28, grandPiano);

johnDoe.perform(10);

janeSmith.perform(7);

Expected Output Format:

text

[Star Name] is performing with a [Instrument Color] [Instrument Type] for [X] days.

Day 1: [Star Name] played for [Y] hours.

Day 2: [Star Name] played for [Y] hours.

Day 3: [Star Name] played for [Y] hours.

Special performance today!

...

Day 5: [Star Name] played for [Y] hours.

Milestone reached!

...

Total hours played: [Z]

Note: The special events are simplified to occur on fixed intervals:

* Every 3rd day (Day 3, 6, 9, etc.) has a special performance.
* Every 5th day (Day 5, 10, 15, etc.) marks a milestone.  
  These events are meant to simulate highlights in a musician's performance schedule.