

Assignment: HeightConversion Class**Objective**

Create a utility class with static methods for height conversions and learn to call these methods from another class.

Part 1: Create the HeightConversion Class

Create a class named `HeightConversion`. Do NOT include a `main` method in this class. It should contain the following static methods:

- **Method 1: `heightString(int inches)`**
This method takes a total number of inches and returns a formatted `String` in feet and inches.
Examples:
 `heightString(67)` should return "5' 7"
 `heightString(70)` should return "5' 10"
 `heightString(72)` should return "6' 0"
Hint: Use integer division (`/`) to find feet and modulus (`%`) to find the remaining inches.
- **Method 2: `cmToInches(int cm)`**
This method converts centimeters to inches, rounding to the nearest whole inch using `Math.round()`.
Formula: $\text{inches} = \text{cm} / 2.54$
Remember: `Math.round()` returns a `long`, so you'll need to cast to `int`.

Part 2: Create the UsingHeightConversion Class

Create a class named `UsingHeightConversion`. This class will have a `main` method.

In the `main` method, write code that:

- Declares a variable for your height in centimeters (e.g., 170 cm)
- Calls `HeightConversion.cmToInches()` to convert to inches
- Calls `HeightConversion.heightString()` to format the height
- Prints the result in this format: "I am 170 cm tall, or 5' 7"

Testing

Test your program with different centimeter values to ensure it works correctly.