CS 444 - Project 4 - Trying to Walk

Purpose

Attempting the course text's Chapter 18 - shambler robot, and its example/testing application in `Crawler.java`

Deadline

You need to complete all the steps below **by the END of CLASS on Thursday, April 2**.

Stage 1

- Build the shambler robot described in Chapter 18 of the course text -- unfortunately, it turns out there are parts issues between the design and what we have in our Lego NXT Education kits!
  - Each team has received an envelope of additional parts -- however, we don't have all of the parts this design calls for. See the posted "shambler tips and issues thus far" on the public course web site, under "Week 9 Lab".
- Once you have built the robot (kluging the poor rotation-foot as best you can), copy or type in the adapted application class whose source code is in `Crawler.java`, and compile and load it onto your robot.
  - Include all present team members' names in an:

    `@author adapted by ...`

    in the class' javadoc comment, and give the last-modified date in an additional:

    `@version: ...`

    in the class' javadoc comment.
- NOTE: Whether it is my brick, my battery, the design, the kluged part substitutions, the code, and/or physics, I have only been able to get this to run while carefully holding it in the air!

  I am curious to know if this applies to all of the teams as well.

  REMEMBER: your GOAL is to FINISH the following by the END of THURSDAY, APRIL 2.
  - LEAVING its basic intended functionality **intact** (as described at the top of the Project 4 - Results Log form), you are ENCOURAGED tweak `Crawler.java` to try to improve your results, BUT **remember the deadline!**
  - LIKEWISE, leaving its basic intended functionality **intact**, you are ENCOURAGED to tweak the shambler's construction/design as well, BUT again, **remember the deadline!**
  - RUN `Crawler.nxj` as described in the accompanying Project 4 - Results Log, and fill out that log.
  - SUBMIT the version of `Crawler.java` used for your MOST SUCCESSFUL run with a homework number of **41** (project 4, stage 1)
  - Put your name on the list for me to take a photo of your shambler version used in your MOST SUCCESSFUL run.
  - Turn in your completed Project 4 - Results Log.
- IF you finish all of the above before the end of class, you should do one of the following:
  - Try some more variations in either `Crawler.java` or the shambler robot's design. IF any seems especially promising, I'll be happy to provide you with another Project 4 - Results Log (in which case, please also submit your revised `Crawler.java` and ask me to take another photo of your revised shambler.)
  - HELP another team to also finish before the end of class.