Assignment: Java Basics

The goal of this is to teach you the rudiments of:
variables, math, data types, scanner, print, if .

1. We're going to make a simple text based calculator.
   How it should work:

   - Ask the user for two numbers
   - Use scanner to get the numbers
   - Ask the user for an operation (+ − * /)
   - Perform the operation on the numbers and then print the answer.
   - Question: will you use int or double for your numbers?

2. **Why?**
   A normal calculator with = is more complicated and is not worth the trouble at this point in the course. We just want to do something simple.
   If you wanted to learn more about calculators, I suggest looking up how RPN calculators work – they mimic computer processes a lot better. HP used to make these in the 1970s to 90s.

3. **Next steps** *(which will be a short lesson)*

   a) handling errors:
      - divide by zero
      - invalid input
   b) replacing a series of if statements with a switch statement