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/*--- HW20.java ---*/
import java.util.*;
import java.io.*;
Class HW20 that creates Readers and inputs them into a Scanner to read from
either standard input or from a file. These are meant to read integers
which are used for a computation. Errors are give with messages and Line
numbers where the error was found.
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public class HW20 {
 /**
 Main method of HW20 class. Creates a scanner which is based off
 of a reader from standard in or a FileReader. Then converts them
  into a LineNumberReader which is then used in the creation of a
  scanner object. Then used to get integers for a computation.
  LineNumberReader is used to print the line number in the error.
  Oparam args Input desired file as input, otherwise default to stdin
  public static void main(String[] args) {
   Reader r = new InputStreamReader(System.in);
   boolean fileCheck = false;
   FileReader f = null;
   try{
      if (args.length > 0)
        fileCheck = true;
          f = new FileReader(args[0]);
        } catch (IOException e) {
          e.printStackTrace();
          System.exit(1);
    } catch(Throwable e) {
      System.out.println("some shit happened");
    Scanner sc = null;
    LineNumberReader lnr = null;
   if(fileCheck)
      lnr = new LineNumberReader(f);
      lnr = new LineNumberReader(r);
    sc = new Scanner(lnr);
   try {
      System.out.println(Mystery.compute(sc));
    } catch (Exception e)
      System.out.println("Error " + e.getMessage() + " at line " + lnr.getLineNumbe
r());
```