What's wrong with Java (for beginners)?

Java was not designed for beginners, but for professionals. Java was made to look like C, and appeal to C/C++ pros. But it can be improved with JJ, for beginners.

Java is big, complex to install (for beginners) with set path etc.

Syntax sucks (except to C/C++ programmers)

Many curly braces, semi-colons, sprinkled around, and still has the dreaded dangling-else

Many classes, libraries..

overwhelming and unreadable for beginners

Much overhead early

Everything is a class; "Hi World" is a method

Many details and distractions

5 ways to increment, 4 types of ints; 3 kinds of comments, 2 kinds of reals, and a partridge ...

Input is "unusual"

Command line is limited; input classes are often made for beginners; all are different: inInt, outReal, etc

Ugliness of type casts

(int)(real + 0.5)

Non Built-in, intrinsic Math methods

Math.sin ( 2 * Math.PI * x )

Type tyranny: allows mixing and promotion

System.out.println ("i + 1 = " + i + 1 );

MilitaryTime = 0400; //is octal!

Too many ways to do anything; clever

Increment i=i+1; i++, ++i, i += 1; i-=-1;

Poor error messages -- mainly for pros

multitudes of errors in a few lines of code

Cryptic operators: alternate ands, ors

&& and &, || or |, "\n"

Inconsistencies

Semicolons follow the brace of a class but do not follow the brace of a function

Much relegated to later

public static void main (String[] args) or

public static void main (String args[]) ??

Etc, etc, etc ... please provide more.

What's right with Java? Much over C/C++

Is portable, cross-platform

Has no hazardous pointers

Has garbage collection

Checks array bounds

Is object oriented

Is secure

Has applets

Has sets of packages

and more ....