

CS3035 Programming Language Paradigms

Lab 01-2: Evolution of the Major Programming Languages (August 27)

Solution

Total Points: 10

Q1: [5 POINTS]

Languages continually evolve. What sort of restrictions do you think are appropriate for changes in programming languages?

Answer:

A good deal of restraint must be used in revising programming languages. The greatest danger is that the revision process will continually add new features, so that the language grows more and more complex. Compounding the problem is the reluctance, because of existing software, to remove obsolete features.

Q2: [5 POINTS]

Why, in your opinion, do new scripting languages appear more frequently than new compiled languages?

Answer:

New scripting languages may appear more frequently than new compiled languages because they are often smaller and simpler and focused on more narrow applications, which means their libraries need not be nearly as large.