

Bjarne Stroustrup

Quotes

Language, Thinking, Java, Simple, Real, Tools, Support, Way, Doe, Learning, Ideas, Perfect, Technology, Able, Use, Errors, Successful, Program, Simplicity, Class

C makes it easy to shoot yourself in the foot; C++ makes it harder, but when you do it blows your whole leg off.

~Bjarne Stroustrup

C++ is designed to allow you to express ideas, but if you don't have ideas or don't have any clue about how to express them, C++ doesn't offer much help.

~Bjarne Stroustrup

First, I'd like to see the basic tools such as compilers, debuggers, profilers, database interfaces, GUI builders, CAD tools, and so forth fully support the ISO standard.

~Bjarne Stroustrup

After all, C++ isn't a perfect match for Java's design aims either.

~Bjarne Stroustrup

When done well, software is invisible.

~Bjarne Stroustrup

There's an old story about the person who wished his computer were as easy to use as his telephone. That wish has come true, since I no longer know how to use my telephone.

~Bjarne Stroustrup

The first law of computer science: Every problem is solved by yet another indirection.

~Bjarne Stroustrup

C++ is my favorite garbage collected language because it generates so little garbage

~Bjarne Stroustrup

It's easy to win forgiveness for being wrong; being right is what gets

you into real trouble.

~Bjarne Stroustrup

An organisation that treats its programmers as morons will soon have programmers that are willing and able to act like morons only.

~Bjarne Stroustrup

The most important single aspect of software development is to be clear about what you are trying to build.

~Bjarne Stroustrup

Java isn't platform independent; it is a platform

~Bjarne Stroustrup

A program that has not been tested does not work.

~Bjarne Stroustrup

To many managers, getting rid of the arrogant, undisciplined, over-paid, technology-obsessed, improperly-dressed etc. programmers would appear to be a significant added benefit

~Bjarne Stroustrup

People who passionately want to believe that the world is basically simple react to this with a fury that goes beyond what I consider appropriate for discussing a programming language.

~Bjarne Stroustrup

"How to test?" is a question that cannot be answered in general. "When to test?" however, does have a general answer: as early and as often as possible.

~Bjarne Stroustrup

The most fundamental problem in software development is complexity. There is only one basic way of dealing with complexity: divide and

conquer

~Bjarne Stroustrup

Anybody who comes to you and says he has a perfect language is either naive or a salesman.

~Bjarne Stroustrup

If you think it's simple, then you have misunderstood the problem.

~Bjarne Stroustrup

Nobody should call themselves a professional if they only knew one language.

~Bjarne Stroustrup

Design and programming are human activities; forget that and all is lost.

~Bjarne Stroustrup

This evolution may compromise Java's claim of being simpler than C++, but my guess is that the effort will make Java a better language than it is today.

~Bjarne Stroustrup

Our civilization depends critically on software, and we have a dangerously low degree of professionalism in the computer fields

~Bjarne Stroustrup

Certainly not every good program is object-oriented, and not every object-oriented program is good.

~Bjarne Stroustrup

There are more useful systems developed in languages deemed awful than in languages praised for being beautiful - many more.

~Bjarne Stroustrup

Destructors for virtual base classes are executed in the reverse order of their appearance in a depth-first left-to-right traversal of the directed acyclic graph of base classes.

~Bjarne Stroustrup

More good code has been written in languages denounced as "bad" than in languages proclaimed "wonderful" - much more.

~Bjarne Stroustrup

Clearly, I reject the view that there is one way that is right for everyone and for every problem.

~Bjarne Stroustrup

Proof by analogy is fraud.

~Bjarne Stroustrup

The standard library saves programmers from having to reinvent the wheel.

~Bjarne Stroustrup

Too many managers and executives try to reduce programming to a low-level assembly-line activity. That's inefficient, wasteful, costly in the long run, and inhumane to programmers.

~Bjarne Stroustrup

However, when Java is promoted as the sole programming language, its flaws and limitations become serious.

~Bjarne Stroustrup

Most of the programmers in ten years will be us, and we won't get much smarter.

~Bjarne Stroustrup

With the increasing importance of standards for system-level objects

such as COM and CORBA, it is particularly important that the C++ bindings to those be clean, well documented, and simple to use.

~Bjarne Stroustrup

Personally, I look forward to better tools for analyzing C++ source code.

~Bjarne Stroustrup

It is my firm belief that all successful languages are grown and not merely designed from first principles

~Bjarne Stroustrup

I do not think that safety should be bought at the cost of complicating the expression of good solutions to real-life problems.

~Bjarne Stroustrup

I find languages that support just one programming paradigm
constraining

~Bjarne Stroustrup

Defining OO as based on the use of class hierarchies and virtual functions is also practical in that it provides some guidance as to where OO is likely to be successful.

~Bjarne Stroustrup

It is easy to study the rules of overloading and of templates without noticing that together they are one of the keys to elegant and efficient type-safe containers.

~Bjarne Stroustrup

"Legacy code" often differs from its suggested alternative by actually working and scaling.

~Bjarne Stroustrup

Any verbose and tedious solution is error-prone because programmers get bored.

~Bjarne Stroustrup

Some software is actually pretty good, by any standard. Think of the Mars Rovers, Google, and the Human Genome Project. Now, that's quality software!

~Bjarne Stroustrup

I assume that a sufficiently skilled will be able to do anything not explicitly forbidden by the hardware.

~Bjarne Stroustrup

I would encourage nonproprietary standards for tools and libraries.

~Bjarne Stroustrup

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