Flashback to your first year...

Write a Java function that takes as input an array of numbers and returns as output the largest number that is adjacent to a zero. ... look at code ...

Is solving a problem that is this small "software engineering"?

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while (true) {

- > emacs LargestNeighbor.java
- > javac LargestNeighbor.java
- > java LargestNeighbor

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What questions should you ask your "client" about LargestNeighbor?

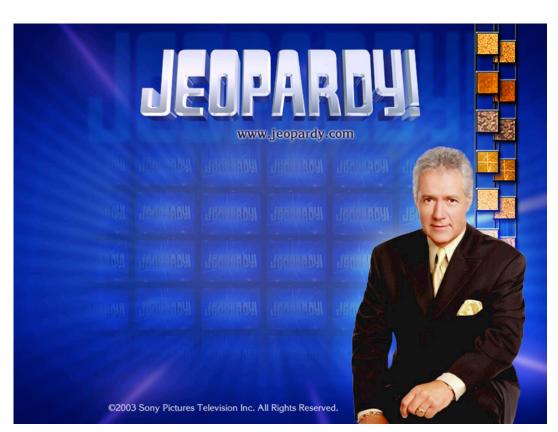
Is an array of length 0 allowed? If so, what is the correct answer?

Must the array have at least one 0 value? Must the array have at least one non-0 value? If not, what is the correct answer? Are negative values allowed?

If negative values are allowed, should we use absolute values?

Should LargestNeighbor be an instance method or static method?

Let's play...



Yes.

Do I really need to know how to do stuff like this?

Version Control

What one skill that students don't tend to learn in school has the most effect in the world of software engineering?

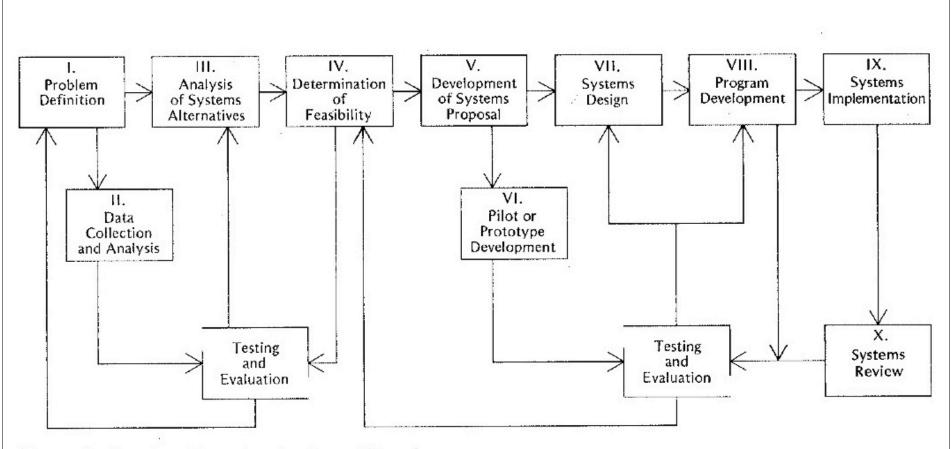


Figure 1-1 Overview of the systems development life cycle

problem definition

data collection and analysis

analysis of systems alternatives

determination of feasibility

development of system proposal

development of pilot system

systems design

systems development

systems deployment

systems review and evaluation