

Why do we (skill?) have
so many programming
languages?

(Why aren't we
consolidating?)

PROJECT MANAGERS ARE ? VERY HAPPY ? TO REFACTOR
THEIR WORKING SOURCE CODE TO IMPROVE ITS
MAINTAINABILITY!

Challenges of automated performance optimization!

- 1) How to model the performance of computation in the context of compiler optimization?
- 2) How to model the propagation of introduced error through an application?
- 3) How to make complex decisions about performance tuning without user interaction?
(Similar to compiler optimization flag problem.)