Refactoring in a context of Programming Language evolution

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Programming languages tend to become more complex. Some features are added.

Some features become outdated and should be removed.

Strategies:

- Inform developers (usually many years ahead of time)
- Automatic refactoring tools (more promising strategy)
Automated refactoring

Refactoring — process to make changes to source code that do not affect the program's behavior

- Application refactoring
- Libraries refactoring

- Many IDEs includes refactoring tools (e.g. Eclipse JDT, IntelliJ IDEA, Microsoft Visual Studio)
Refactoring allows languages to change

- Automated refactoring tools can replace many outdated language constructs and idioms with their modern equivalents.

- Examples will be made (most probably) for two languages: Fortran and Java