Reverse Engineering

Hack Night - Week 6

Programming Languages

*These are **not** mutually exclusive (ex: Java is high-level and object-oriented)*

High-Level: easy to read and understand/resembles english; needs to be compiled (C, Fortran, PASCAL)

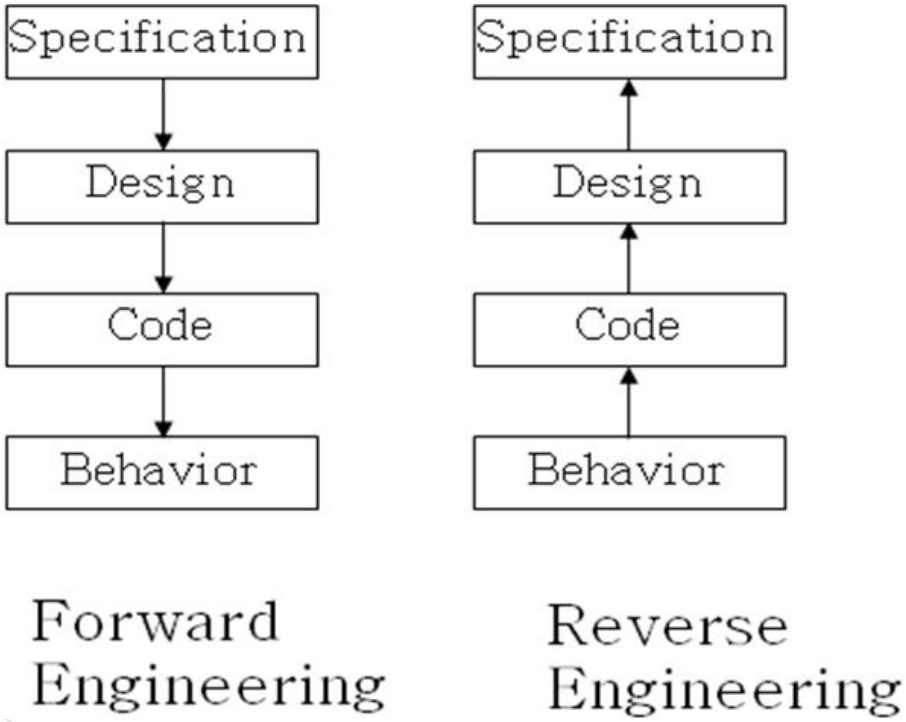
Low-Level: Closer to machine code and harder to understand (Assembly and Machine language)

Object-Oriented: Ability to model data using objects (C++, Java, MATLAB)

Procedural: Sequence of operations is specified; clear start and end (C, BASIC, Go)

Scripting: Powerful, dynamic languages that use less code to do more (Python, PHP, Ruby)

Forward vs Reverse Engineering



Python 2 vs 3

Python 2	Python 3
• Widely supported (default version that comes with almost all unix/linux operating systems) • More third party support for libraries and such • Most developers and systems use and still support Python 2 • If you want your application to work for more people • Not necessarily inferior to Python 3 • No further major development but continued support from Python organization	• NOT backwards compatible with python 2 code (meaning your old code will NOT work) • Starting to gather more support • Still less developer and library support • Better support for unicode • A few syntax changes • Main focus of major development from Python organization

Let Us Try, Hmm?

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