4. Declarative

Program that specify the desired result rather than how to get it

- Instruct a program of what is needed to done instead of how to do it
- … using facts and rules
- … using queries to satisfy goals
- Can be logical or functional
- Logical - states a program as a set of logical relations
- Functional - constructed by applying functions to arguments / uses a mathematical style

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Programming Paradigm   Description

Declarative	Programs using the instruction set of a processor
Imperative	Programs based on events such as user actions or sensor outputs
Low-level	Programs using the concepts of class, inheritance, encapsulation and polymorphism
Object oriented	Programs with an explicit sequence of commands that update the program state, with or without procedure calls
	Programs that specify the desired result rather than how to get to it