Agent-Oriented Software Engineering - 01 Introduction to the Course

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Programming progression   From machine code iterationing of abstractions to agents.

1. machine code

2. assembly language

3. procedures & functions

4. objects

5. services

6. agents

Agent, a definition: An agent is a computer system that is capable of **independent** actions on behalf of its user or owner

Multi-Agent System, a definition

1. consists in different agents that interact with one-another

2. agents act on behalf of users with different goals and motivations

3. agents will cooperate, coordinate and negotiate with each other to success

A good Agent-Oriented Software Engineering Methodology

1. modeling languages

2. analysis techniques

3. design techniques

4. supporting tools