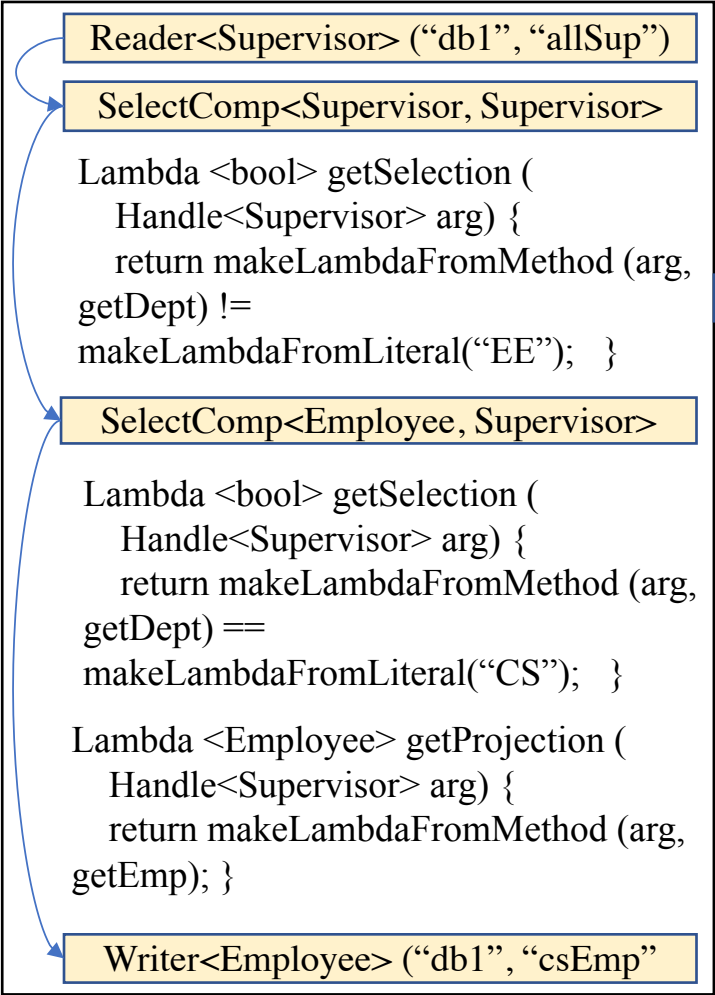


TCAP
Compiler/Optimizer

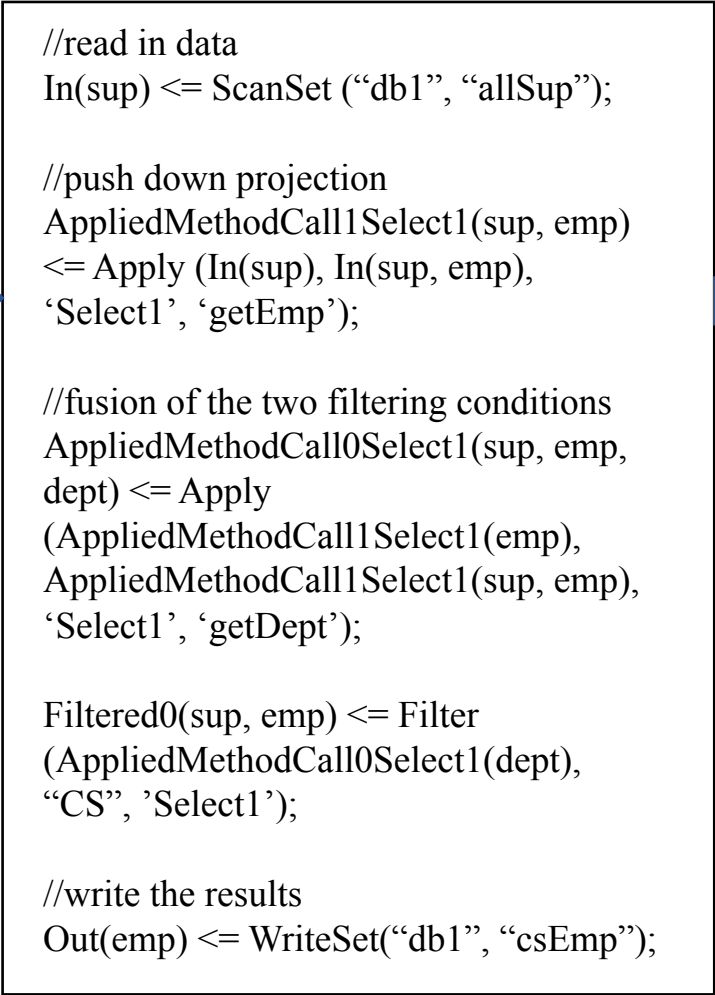
Template
MetaProgramming

User Query Graph



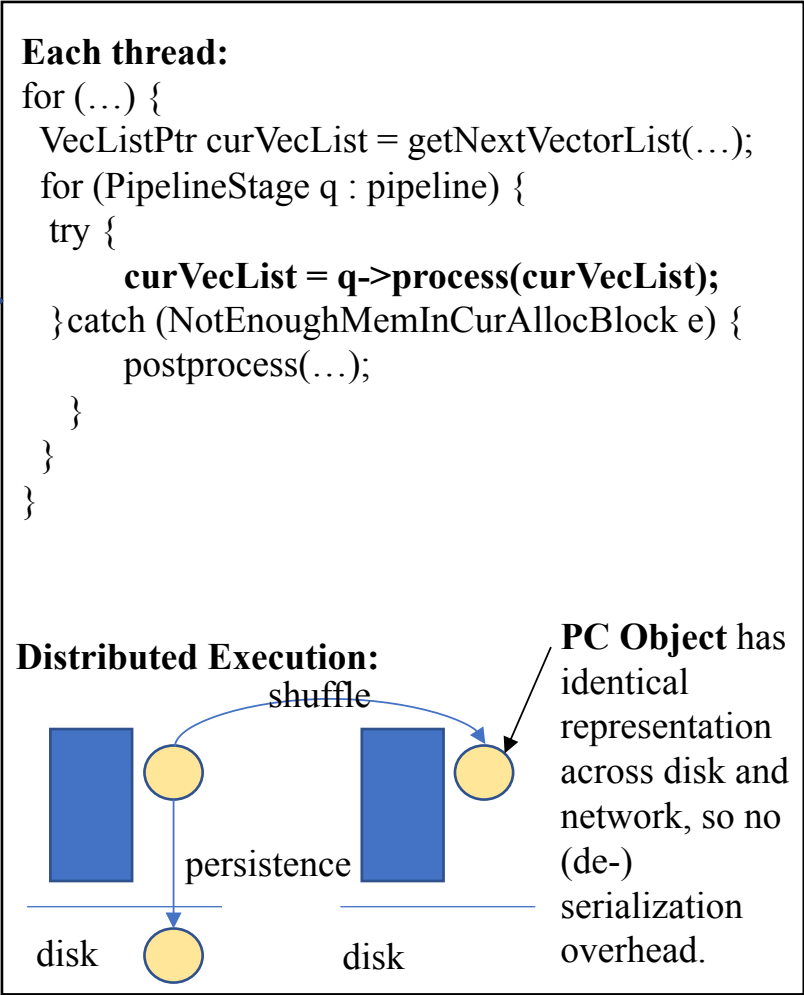
PC API/Lambda Calculus

Optimized TCAP Program



PC Execution Engine

Compiled Pipeline Stages



PC Object Model (Support complex objects and virtual functions; No (de-) serialization overhead)