

# PART I KNOWLEDGE BASE SYSTEMS

## *Rule Integration in Databases*

In this part of the book, we describe various techniques for integrating rules into database systems which results into Knowledge Base Systems. We mainly focus on the unification of multiple rule types into a single system in order to provide flexible, multi-purpose knowledge bases. Finally, we present in detail DEVICE, an active object-oriented knowledge base system that integrates multiple declarative rule types into an active object-oriented database that generically supports only procedural event-driven rules.