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## Chapter 4 – Application Programs and Object-Relational Capabilities



## Outline Overview I. Object-Relational Database Concepts 1. User-defined Data Types and Typed Tables 2. Object-relational Views and Collection Types 3. User-defined Routines and Object Behavior 4. Application Programs and Object-relational Capabilities **II. Online Analytic Processing** Data Analysis in SQL 5. Windows and Query Functions in SQL 6. III. XML 7. XML and Databases 8. SQL/XML 9. XQuery **IV. More Developments** (if there is time left) temporal data models, data streams, databases and uncertainty, ... **∉His**≶ 2 © Prof.Dr.-Ing. Stefan Deßloch















































