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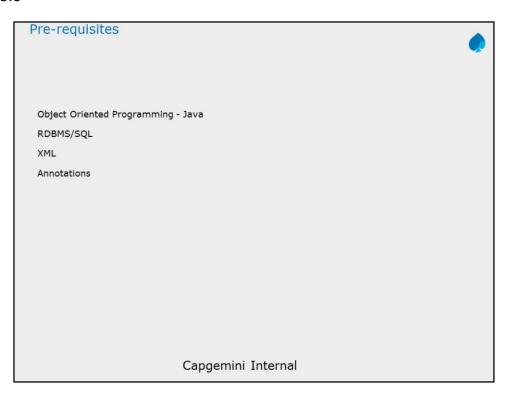
# Course Goals and Non Goals

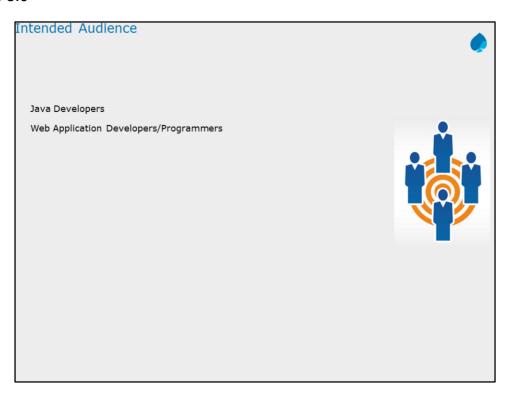
# Course Goals

- Understanding Object Relation Mapping
- Learning JPA API
- Associations and Mapping
- JPQL

# Course Non Goals

JPA integration with existing frameworks like spring or struts





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# Day Wise Schedule

# Day 1

- Lesson 1: JDBC
- Lesson 2: Introduction to ORM and its need

# Day 2

Lesson 3: The Persistence Life Cycle
Lesson 4: Java persistence API (JPA)

### Day 3

- Lesson 5: JPA Queries
- Lesson 6: Association and Mapping

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# Table of Contents



# Lesson 1 :JDBC

- 1.1 :JDBC Introduction
- 1.2 :Database Connectivity Architecture
- 1.3: JDBC API's
- 1.4 :Database Access Steps
- 1.5: Transaction
- 1.6: Connection Pooling
- 1.7: DAO Design Pattern
- 1.8 :Best Practices

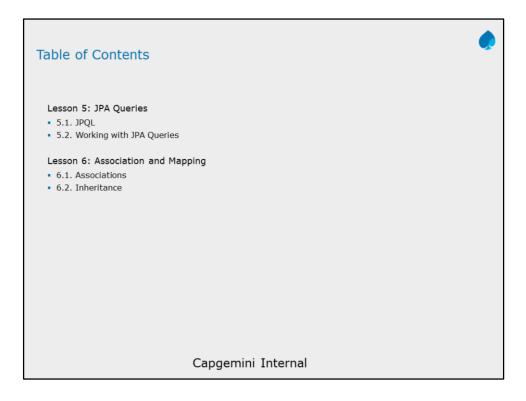
# Lesson 2: Introduction to ORM and its need

- 2.1. Persistence and its need
- 2.2. Object/Relation Mapping
- 2.3. Object-relational Impedance Mismatch
- 2.4. ORM and its need
- 2.5. JPA and its benefits

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# Lesson 3: The Persistence Life Cycle • 3.1.Introduction • 3.2.Life Cycle Lesson 4: Java Persistence API • 4.1. Java Persistence API • 4.2. Working with JPA Capgemini Internal



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# Reference URLs: http://docs.oracle.com/javaee/7/api/javax/persistence http://www.objectdb.com/java/jpa/

