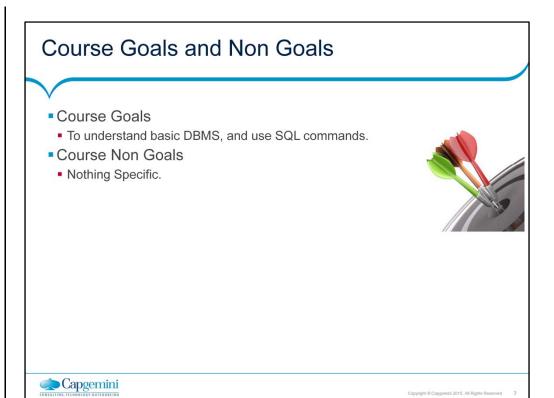
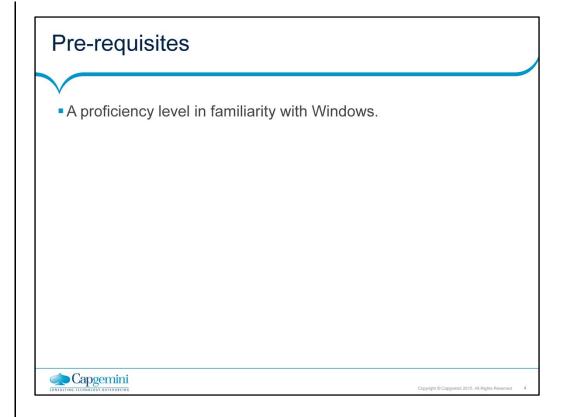


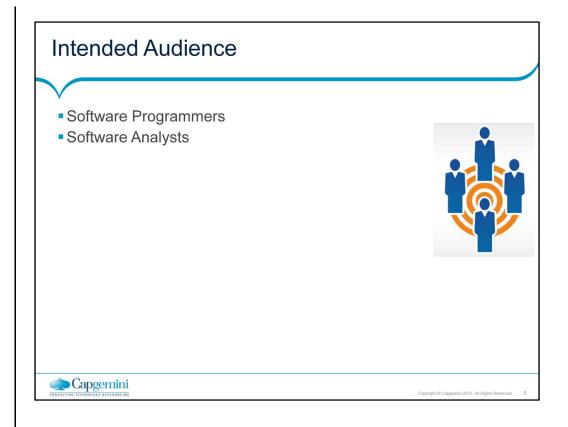
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Day Wise Schedule

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 - Lesson 2: Basics of SQL
- Lesson 3: Data Query Language
- Lesson 4: Aggregate (Group) Functions
- Lesson 5: SQL (Single-row) functions
- Lesson 6: Joins
- Day 2
 - Lesson 6: (contd) Sub-queries
 - Lesson 7: Database Objects
 - Lesson 8: Data Manipulation Language
 - Lesson 9: Transaction Control Language



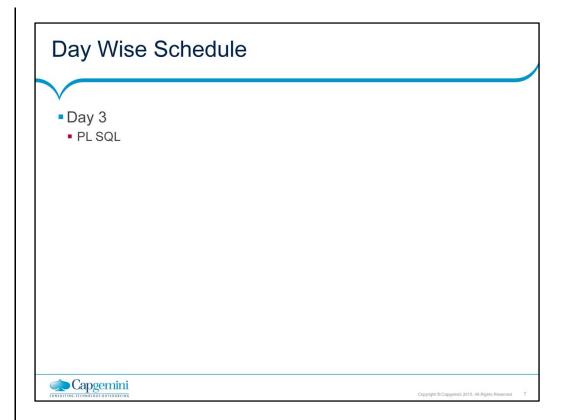


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References

- RDBMS Concepts A Primer
 - http://safari.oreilly.com
- •Introduction to Database Systems; by C.J.Date
- Relational Database Theory; by Atzeni, De Antonell





