

## Unit-5 Reading Material

Since the fifth unit is an overview of many topics. The slides have been prepared with the intention of providing sufficient details to introduce the topics.

However, for students wanting to learn from the reference material, here are the mappings. Not all books are the same and some material is covered in more depth in one text book. The slides must be used as reference for the coverage and depth rather than text book sections mapped here.

For notations, Textbook by Raghu Ramakrishnan and Johannes Gehrke is used.

References Text books on database management systems by

1. Raghu Ramakrishnan and Johannes Gehrke
2. Ramez Elmasri and Shamkant Navathe
3. Abraham Silberschatz, Henry F. Korth, S Sudarshan

### Text Book Sections

<b>Topic</b>	<b>Raghu Ramakrishnan and Johannes Gehrke</b>	<b>Ramez Elmasri and Shamkant Navathe</b>	<b>Abraham Silberschatz, Henry F. Korth, S Sudarshan</b>
Database Architecture and Modules	1.8	2.4	
Security	21.1, 21.2, 21.3, 21.4.1	30.1, 30.2, 30.3	
Transactions, ACID properties, Schedules	16.1, 16.2, 16.3,	20.3, 20.4, 20.5.1 to 20.5.3	Ch 14
Locking and Deadlocks	16.4, 16.5, 16.6, 17.1, 17.4, 17.6.2, 17.6.3	21.1, 21.2, 21.3	15.1, 15.2, 15.4, 15.6
Recovery	16.7, 18.1 to 18.6	22.1.2, 22.1.3, 22.1.4, 22.5	
NoSQL Databases	24.1		