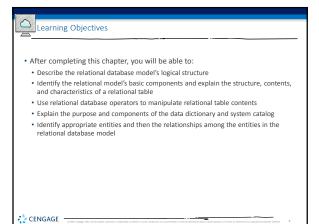
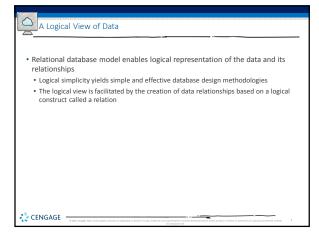
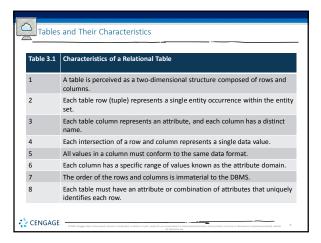
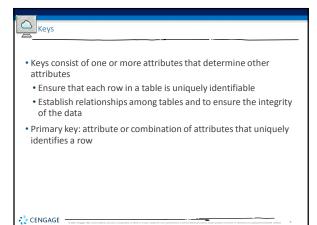


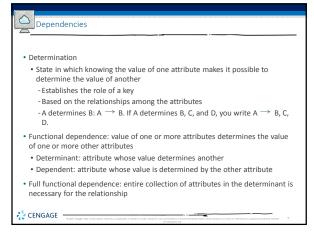
Chapter 3 The Relational Database Model

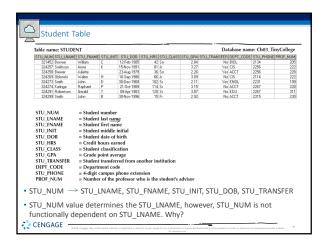


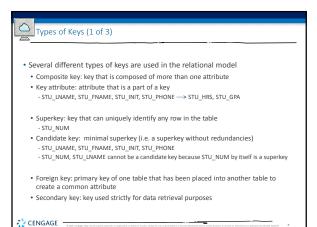


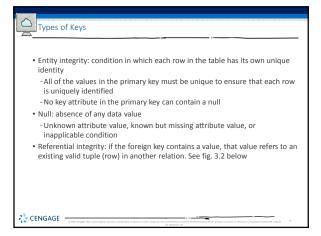


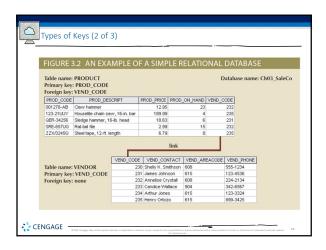


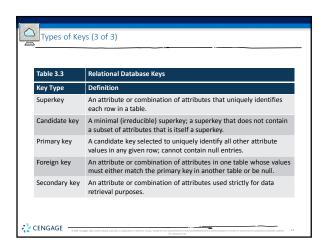


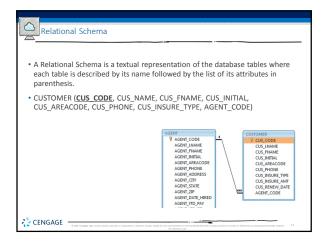


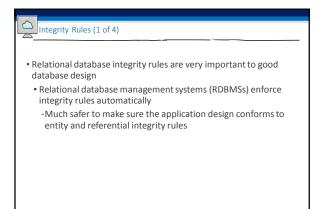






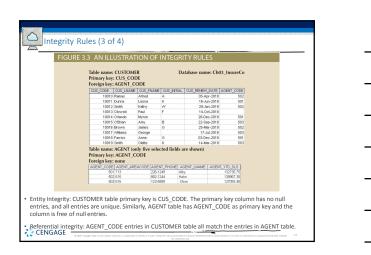


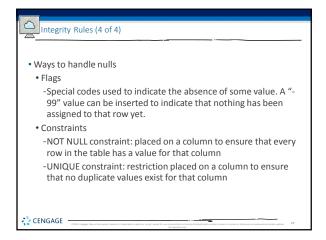


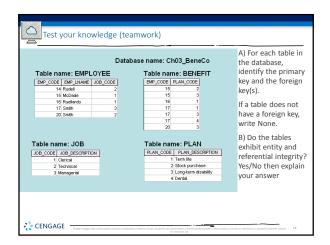


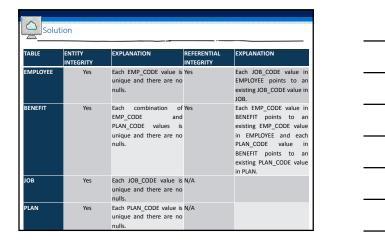
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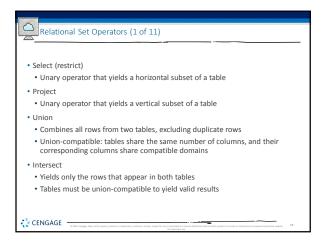
Table 3.4	Integrity Rules				
Entity Integrity	Description				
Requirement	All primary key entries are unique, and no part of a primary key may be null.				
Purpose	Each row will have a unique identity, and foreign key values can properly reference primary key values.				
Example	No invoice can have a duplicate number, nor can it be null; in short, all invoices are uniquely identified by their invoice number.				
Referential Integrity	Description				
Requirement	A foreign key may have either a null entry, as long as it is not a part of its table's primary key, or an entry that matches the primary key value in a table to which it is related (every non-null foreign key value must reference an existing primary key value).				
Purpose It is possible for an attribute not to have a corresponding value, but it will be impos have an invalid entry, the enforcement of the referential integrity rule makes it imp to delete a row in one table whose primary key has mandatory matching foreign ke values in another table.					
Example	A customer might not yet have an assigned sales representative (number), but it will be impossible to have an invalid sales representative (number).				

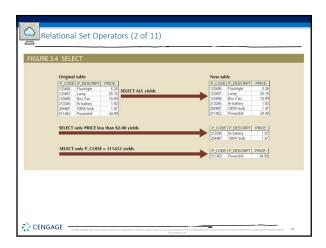


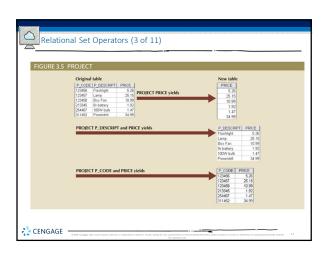


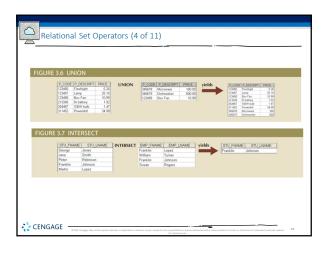


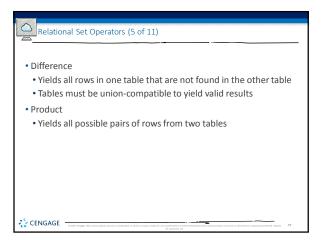


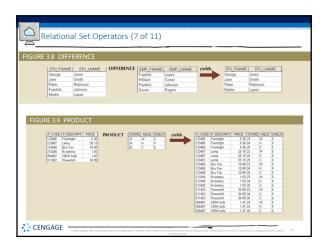


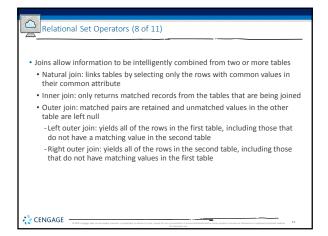


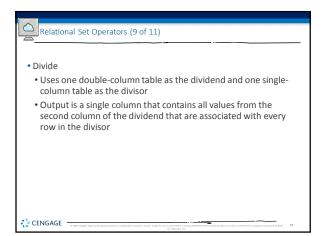


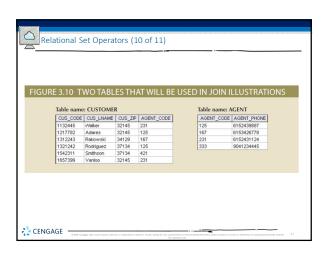


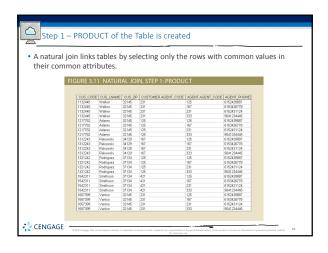


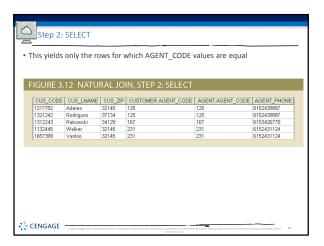


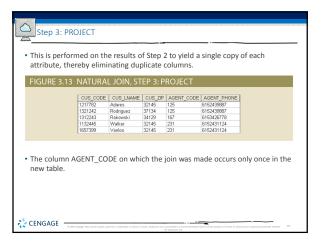


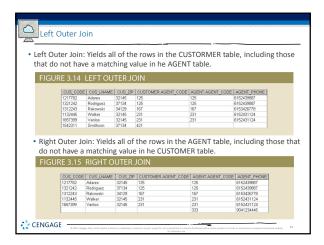


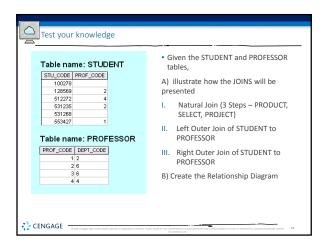


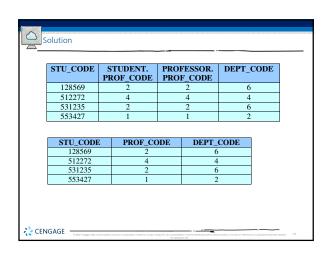












	lution Outer Join of S	TUDENT to PRC	DFESSOR			
	STU_CODE	STUDENT. PROF_CODE	PROFESSOR. PROF_CODE	DEPT_CODE		
	128569	2	2	6		
	512272	4	4	4		
	531235	2	2	6		
	553427	1	1	2		
	100278					
	531268					
Right Outer Join of STUDENT to PROFESSOR STU_CODE STUDENT.						
	128569	2	2	6		
	512272	4	4	4		
	531235	2	2	6		
	553427	1	1	2		

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