

CHAPTER 4 : CONVERTING MODEL

1145 004: Database System

Chapter Outline (Cont.)

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Review Previous Topics

1. Defining Key
1. Converting Diagram to Relational Schema
2. Converting Relationship
3. Workshop & Discussion

2. Converting Diagram to Relational Model

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2.1 Converting **Regular Entity**

2.2 Converting **Relationship**

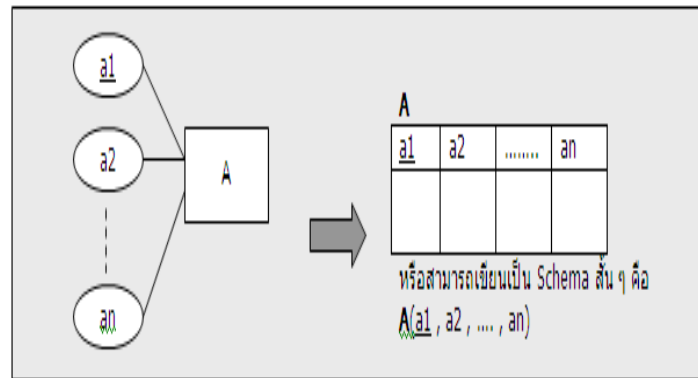
2.1 Converting Regular Entity

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- 2.1.1 Converting **Regular Entity**
- 2.1.2 Converting **Composite Attribute**
- 2.1.3 Converting **Multi-valued Attribute**
- 2.1.4 Converting **Weak Entities**

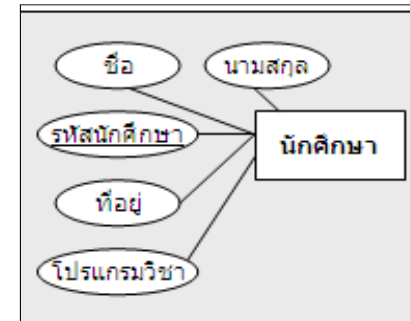
2.1.1 Converting Regular Entity

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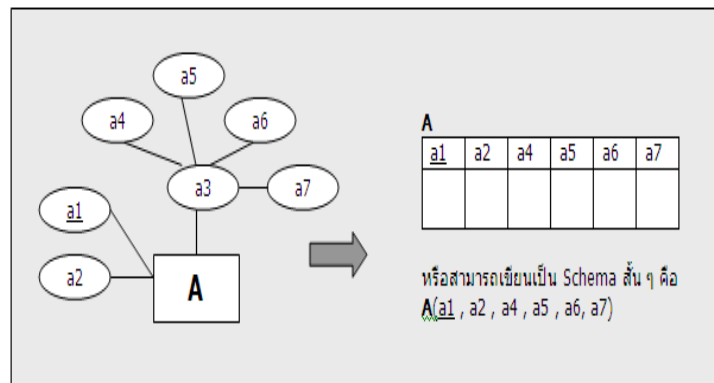
2.1.1 Converting Regular Entity : Examples

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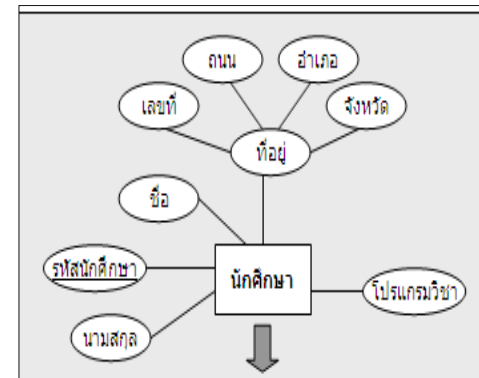
2.1.2 Converting Composite Attribute: Examples

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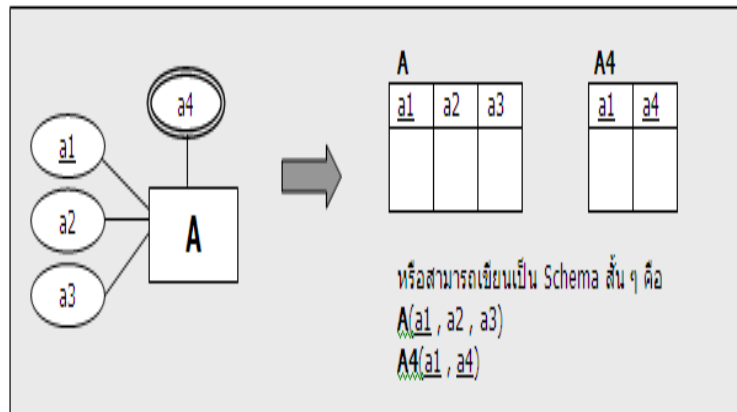
2.1.2 Converting Composite Entity : Examples

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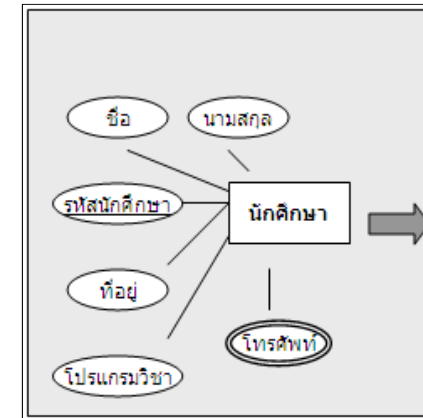
2.1.3 Converting Multi-valued Attribute

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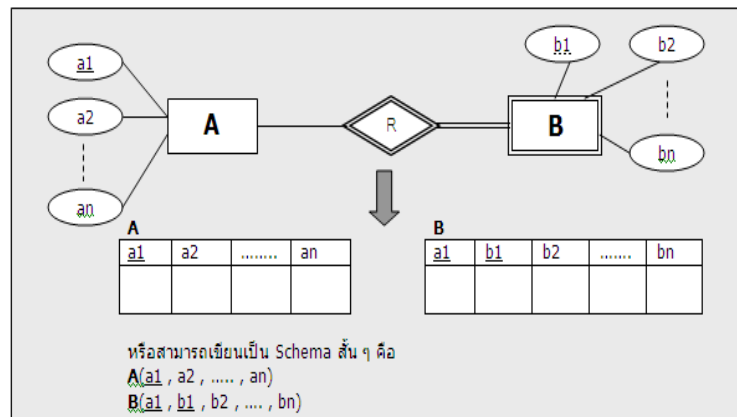
2.1.3 Converting Multi-valued Attribute: Example

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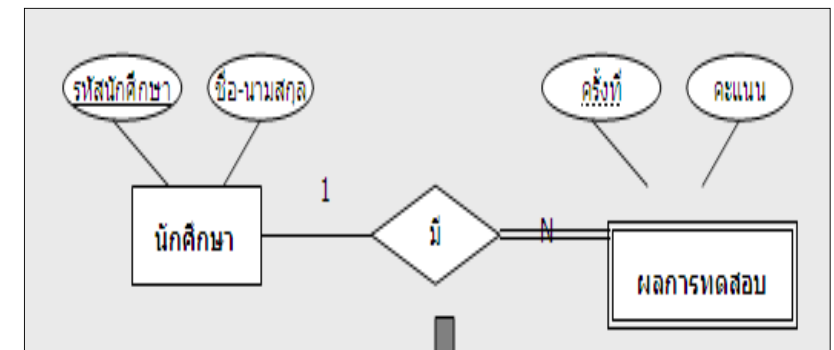
2.1.4 Converting Weak Entities

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2.1.4 Converting Weak Entities : Example

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2.2 Relationship Conversion

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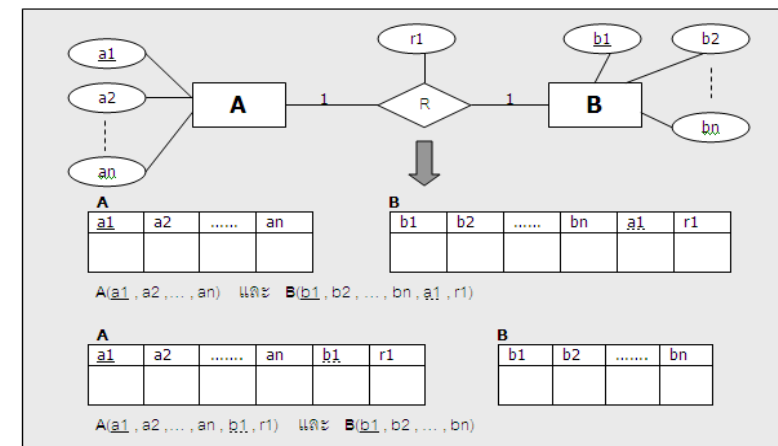
2.2.1 Converting 1-1

2.2.2 Converting 1-M

2.2.3 Converting M-N

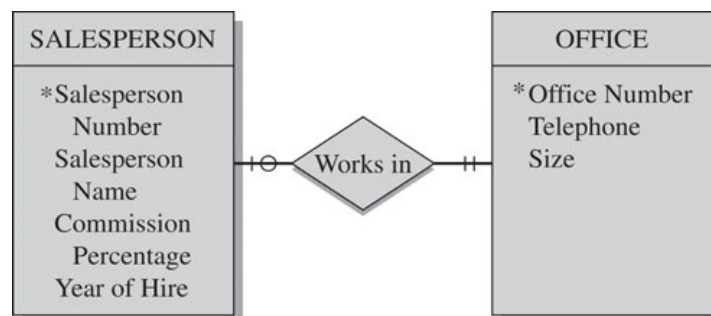
2.2.1 Converting 1-1 Relationship

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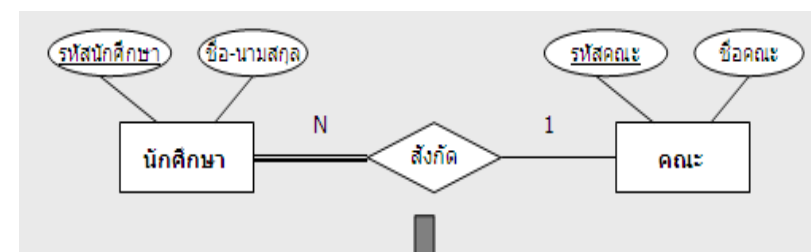
2.2.1 Converting 1-1 : Example (2)

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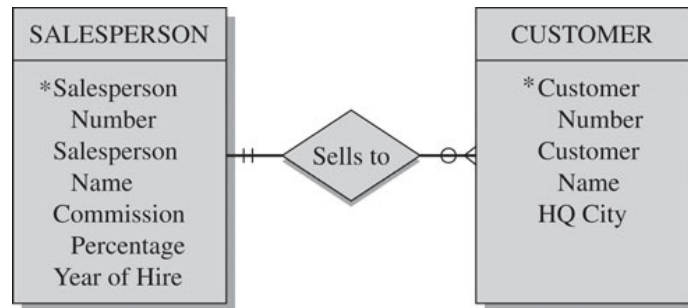
2.2.2 Converting 1-M : Example

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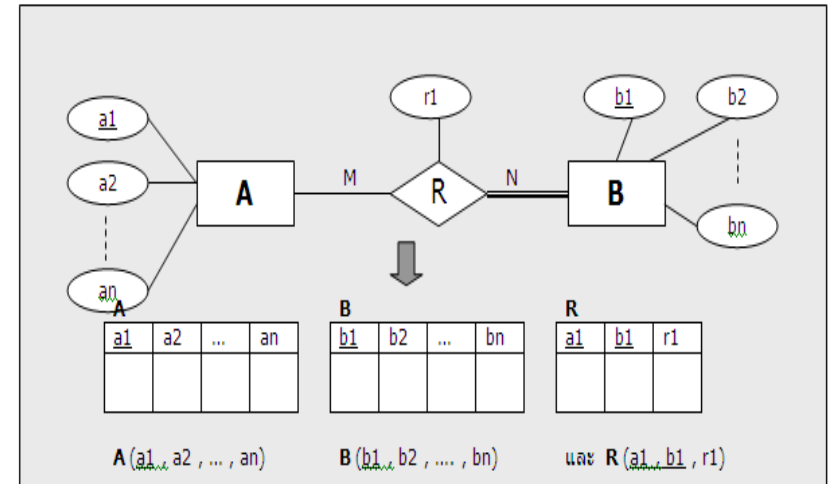
5.5 Converting 1-M : Example

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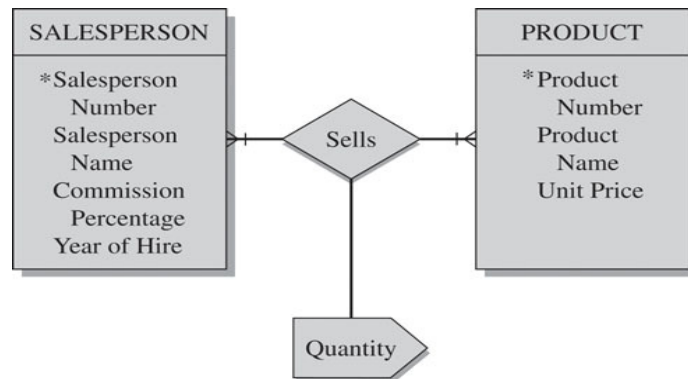
2.2.3 Converting Relationship: M:N

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2.2 Converting M:N: Example (2)

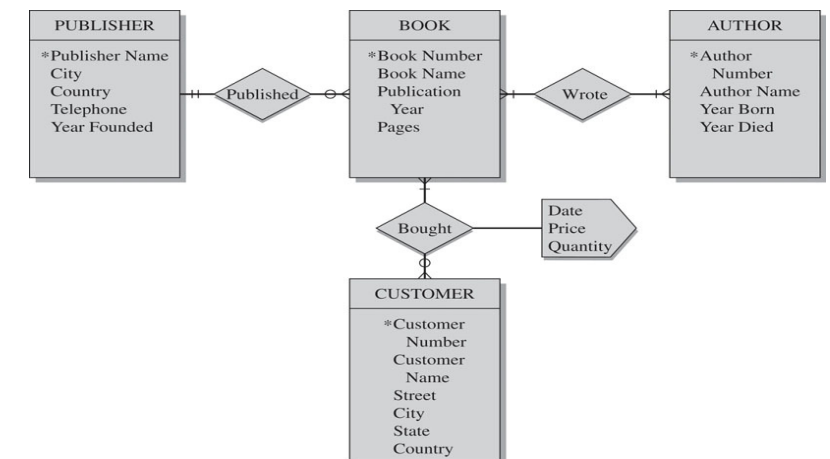
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Workshop1: Bookstores

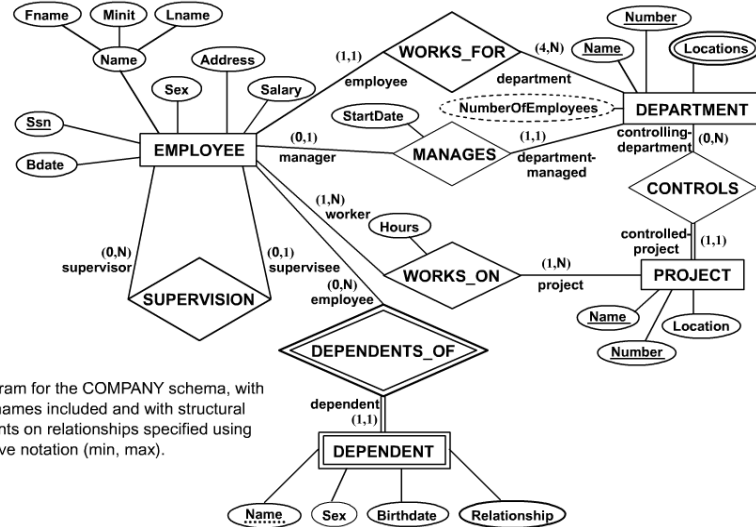
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What's Relation Schema ?



Workshop2: Project Allocation

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Q & A: ???

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End of Chapter 4

5. Converting Relationship to Schema

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5.1 Converting 1-1 Unary Relationship: Solution

SALESPERSON				
<u>Salesperson</u>	Salesperson	Commission	Year of	<u>Backup</u>
<u>Number</u>	Name	Percentage	Hire	<u>Number</u>