

2.

2.1

□ " ”

- 1963.6 1 SDC
 - ◆
 - ◆ Development and Management of a Computer-centered Data Base
- 1965.9 2 SDC
 - ◆
 - ◆ Computer-centered Data Base Systems

?

“ (Integrated), (Stored) (Shared)
” (Operational)

- (integrated data)
 - (minimal redundancy)
 - (controlled redundancy)
- (stored data)
 - 가 가
 - ,
- (operational data)
 -
- (shared data)
 - , ,

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2.2

- (real-time accessibilities)
 -
- (continuous evolution)
 - , , :
- (concurrent sharing)
 - 가
- (content reference)
 - 가

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2.3

□

-
- , , ,

□

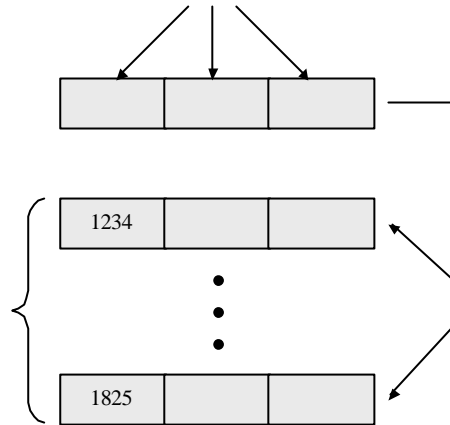
-
- = { , }

(entity)

- (object)
-
- (attribute)
 - ◆ 가
- (entity set)
 - ◆ entity type vs. entity instance
- - ◆ record type vs. record instance

(entity type)

(entity instance)

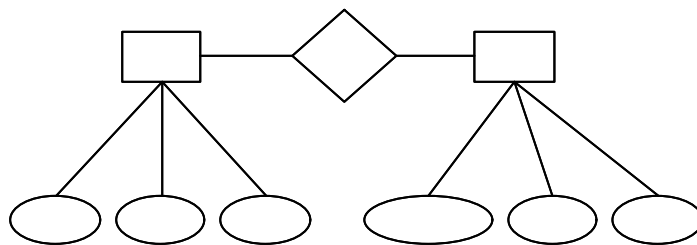


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(relationship)

- (attribute relationship)
 - (intra - entity)
- (entity relationship)
 - (inter - entity)



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2.4

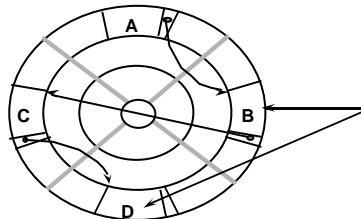
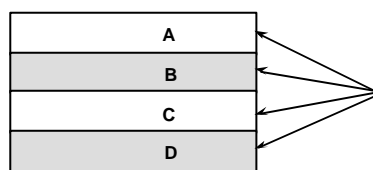
□ (logical organization)

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—
—

□ (physical organization)

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—
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가 : , ,
(stored record)



()