

# Ejercicio de clase 1-5

13/04/23

A B C D E F

staffNo	branchNo	branchAddress	name	position	hoursPerWeek
S4555	B002	City Center Plaza, Seattle, WA 98122	Ellen Layman	Assistant	16
S4555	B004	16 - 14th Avenue, Seattle, WA 98128	Ellen Layman	Assistant	9
S4612	B002	City Center Plaza, Seattle, WA 98122	Dave Sinclair	Assistant	14
S4612	B004	16 - 14th Avenue, Seattle, WA 98128	Dave Sinclair	Assistant	10

- 1) Dependencias
- 2) Encontrar todas las CK's
- 3) " la PK
- 4) Normalizar 2FN

$$1) DF: \{A, B\} \rightarrow F$$

$$A \rightarrow \{D, E\}$$

$$B \rightarrow C$$

$$2) SK ABCDEF^+ \rightarrow \{ \dots \}$$

$$SK ABCDE^+ \rightarrow \{ \dots \}$$

$$SK ABC^+ \rightarrow \{ \dots \}$$

$$SK, CK AB^+ \rightarrow \{ \dots \}$$

$$A^+ \rightarrow \{F, D, E\}$$

$$B^+ \rightarrow \{C\}$$

$$3) AP's: [A, B]$$

$$CK's: [AB]$$

$$\therefore AB^+ \text{ es PK y CK}$$

Tabla 1

$$4) \begin{array}{|c|c|c|} \hline \text{staffNo} & \text{branchNo} & \text{hoursPerWeek} \\ \hline \end{array}$$

Tabla 2

staffNo	name	position
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Tabla 3

branchNo	branchAddress
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No cumple la 2FN porque existen dependencias parciales