

Naturalness and Ease of QBE

EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith							

P.



John	B	Smith	193221744	2/18/76	3400 N. Charles St.	M	39000	491923112	5
John	B	Smith	291991122	4/27/81	2701 St. Paul St.	M	45000	193221744	6
John	B	Smith	191992210	8/03/79	4300 Wyman Park Dr	M	63000	481321971	2

EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith		P.	P.				



				2/18/76	3400 N. Charles St				
				4/27/81	2701 St. Paul St				
				8/03/79	4300 Wyman Park Dr				

Why QBE=“Query-by-Example”

(a) EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith	_123456789	P_9/1/60	P_100 Main, Houston, TX	_M	_25000	_123456789	_3

(b) EMPLOYEE

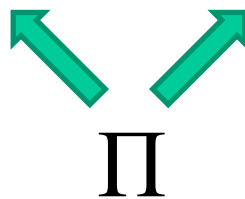
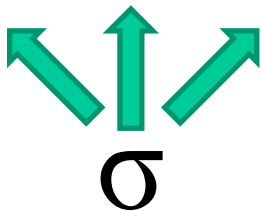
Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith		P_9/1/60	P_100 Main, Houston, TX				

(c) EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith		P_X	P_Y				

(d) EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith		P.	P.				



Why QBE="Query-by-Example"

(a) EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith	_123456789	P_9/1/60	P_100 Main, Houston, TX	_M	_25000	_123456789	_3

(b) EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith		P_9/1/60	P_100 Main, Houston, TX				

(c) EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith		P_X	P_Y				

↖ Non-mnemonic variables (_X, _Y)

(d) EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith		P.	P.				

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Why QBE=“Query-by-Example”

(a) EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith	_123456789	P_9/1/60	P_100 Main, Houston, TX	_M	_25000	_123456789	_3

(b) EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith		P_9/1/60	P_100 Main, Houston, TX				

Variables by “example” (e.g. _9/1/60)

(c) EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith		P_X	P_Y				

Non-mnemonic variables (_X, _Y)

(d) EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith		P.	P.				

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