QBE (Queny By Example)

(Not in the text book. But in

the on-line Versian).

- Graphical Query lang

- Queries specified thru examples

- User friendly

- Access and other database management Systems use it.

Fundamental constnet

Skeleton Schema.

Interactive

n name

Cust-name

Sheet

Cust-city

P.

Chicago Skeleton Schema:

Selection done by specifying the Condition under the appropriate Colum

accounts acct #	bal	br-nam
P.	7 10 K	

Use negation in a column

acetouts	aut#	bal	br-name
	Po	> 10 K	7 UIC

Complex Conditions can be specified using Condition boxes

1 Cer	dilin box	_
ba	1>10K OR	
1	bal < 5K	
J		

Using variables

Retrieve account numbers jointly owned by

John and Many

deposit | Cust-name | Cueet #)

'John | P. - 22

'Many' - 22

Print all types from deposit inthe Cust-nam = Johns

deposit | Cust-nam | aut #

Queries on multiple relations

Print names of customers having an account into bal > 10 K

deposit	Cust-name	aut #
	P.	_ H

accounts	aut #	bal	br-name
	-2	>10K	

Print names of customers who have an account and a loan

deposit	Cust-name	aut #	borrow	cust-name	loan #
	P2			_K	
		E		,	

Print names of customers having an account but not a loan.

deposit	Cust	-naml	aut #
	P.	-72	

borrow | Cust name | loan #

Result relation

Some times we have to pint values from multiple relations.

rese 'result relation.

ex: Print names of customiss, addresses and aget # s they own.

Cestoner	Coust-name	Sheet	cust-city
,	-2	-7	
	1		

deposit cust-name aret #

result	Cust-nac	Sheet	cust-city	aut H
Po	-2	-	_7	- U
	1			