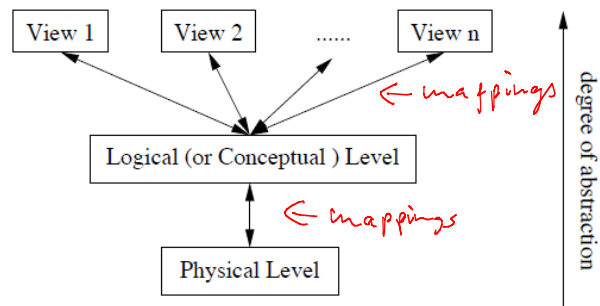


165A, Fall 2013

Note Title

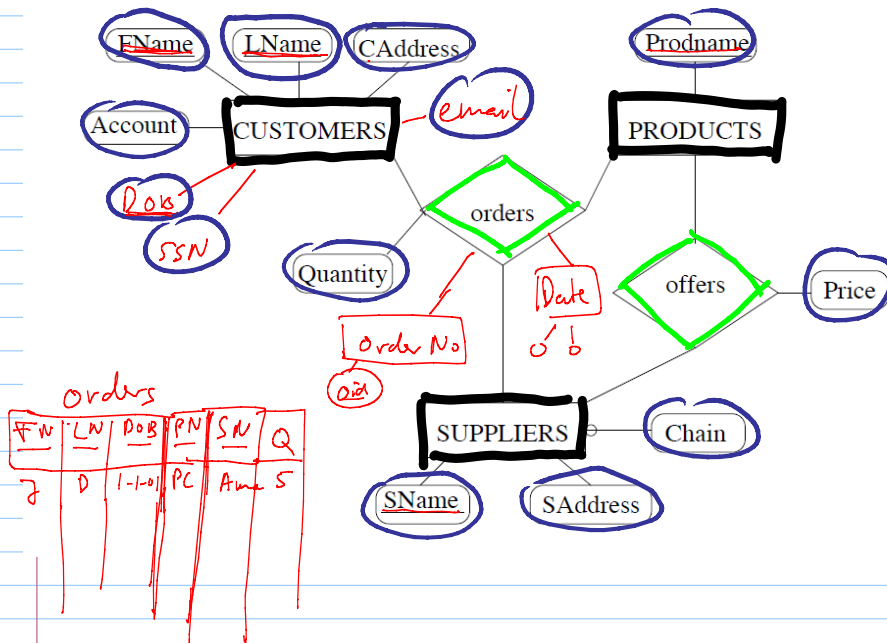
9/22/2011

10/1/2013



Levels of Abstraction in a DBMS

Example of an Entity-Relationship Diagram



super key : { F_N, L_N, DOB, CAddress, email }

candidate key : { F_N, L_N, DOB }
 { SSN }
 { email }
 { F_N, L_N, CAddress }

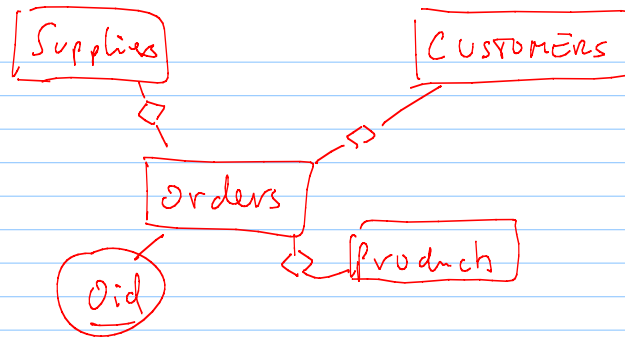
CUSTOMERS

F _N	L _N	DOB	Address	...
J	D	1-1-01	H-str	..
T	T	2-1-02	H-str	

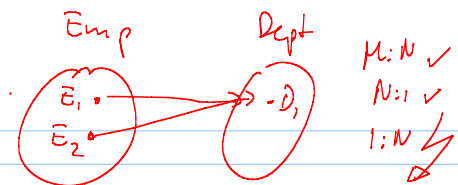
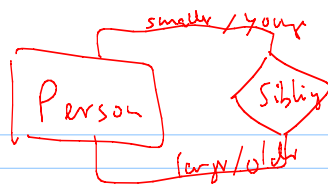
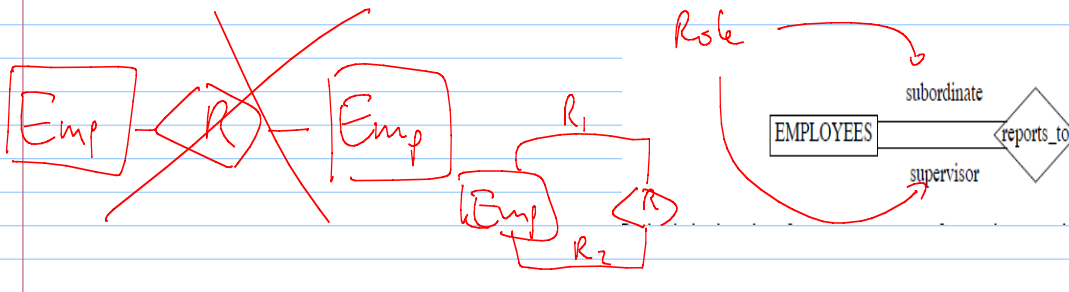
orders

F _N	L _N	DOB	P _N	S _N	Q
J	D	1-1-01	PC	Ame	5

10/3/2013



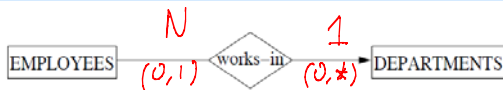
what if a customer orders the same product from the same supplier, multiple times?



M:N ✓
N:1 ✓
1:N ✗

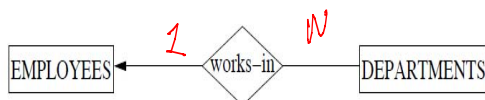
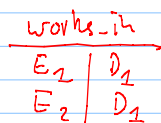


any # of emps can work in dept and an emp can work in any # of depts



employee works for at most one dept

one



dept can have at most employee

