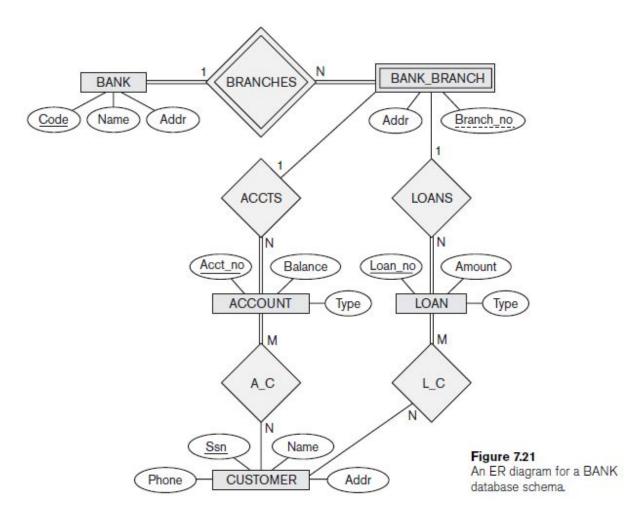
ER Mapping



Map Entity Types:

- 1. BANK
 - o Bank(<u>Code</u>, Name, Addr)
- 2. BANK BRANCH(Weak Entity Type)
 - Bank Branch(Addr, Branch no, Code)
- 3. ACCOUNT
 - Account(<u>Acct_no</u>, Balance, Type)
- 4. LOAN
 - Loan(<u>Loan_no</u>, Amount, Type)
- 5. CUSTOMER
 - o Customer(Phone, <u>Ssn</u>, Name, Addr)

Map Relationship Types:

- **1.** BRACHES(1:N): Foreign Key Approach
 - Revise Loan schem from:

Bank Branch(Addr, Branch no)

To

Bank Branch(Addr, Branch no, Code)

- **2.** ACCOUNTS(1:N): Foreign Key Approach
 - Account(<u>Acct_no</u>, Balance, Type)

To

Account(Acct no, Balance, Type, Branch no)

- 3. LOANS(1:N): Foreign Key Approach
 - Revise Loan schem from:

Loan(Loan no, Amount, Type)

To

Loan(Loan no, Amount, Type, Branch no)

- 4. A C(M:N): New Relation Approach
 - o A C(Ssn, Acct no)
- 5. L C(M:N): New Relation Approach
 - o L C(Ssn, Loan no)

List All Relation Schemas: Bank(Code, Name, Addr) Bank_Branch(Addr, Branch_no, Code) Account(Balance, Type, Acct_no, Branch_no) Loan(Amount, Type, Loan_no, Branch_no) A_C(Ssn, Acct_no) L_C(Ssn, Loan_no)

Customer(Phone, <u>Ssn</u>, Name, Addr)