

Repeated Attribute Associations

- Some entities have multiple attributes that represent either the same kind of data or very similar kinds of data
 - Some people may have multiple phone numbers for different purposes
 - Some people may have only one number to serve all purposes

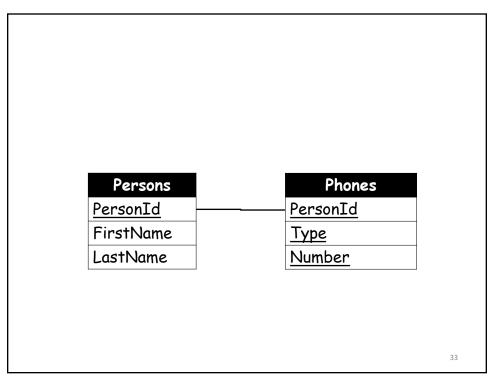
person
personId
firstName
lastName
workPhone
cellPhone
homePhone
dayPhone
nightPhone

•••

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How to design the tables to avoid repetition or sparse data? FirstName PersonId LastName NightPhone Workphone Cellphone Gellphone



Reflexive Associations

- An object refers to an object of the same class
 - One-to-One reflexive association
 - One-to-Many reflexive association
 - Many-to-Many reflexive association

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