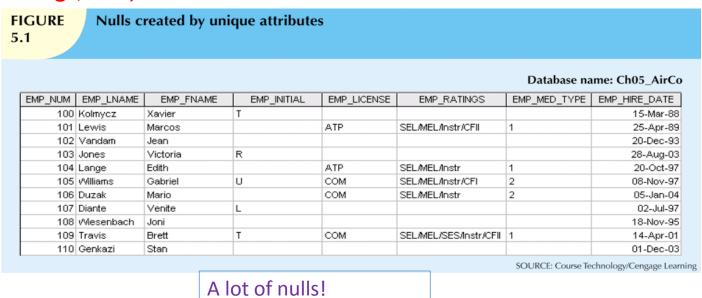
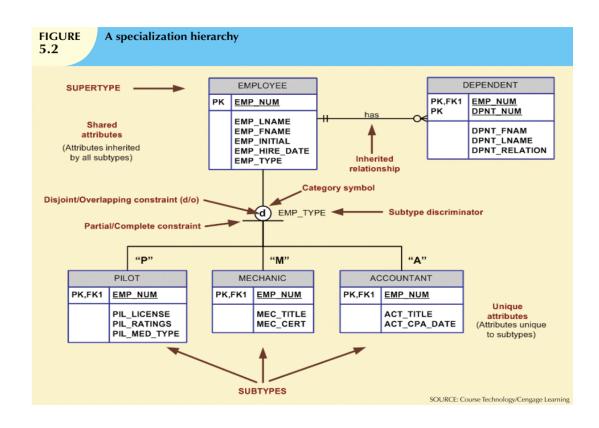
• Example: Consider an aviation business, which employs pilots, mechanics, secretaries, accountants, database managers, and many other types of employees.

```
✓ Common attributes: last name, hire_date, etc.
✓ Pilots (license, ratings, etc.)
✓ Mechanics (title, certificate, etc.)
✓ Accountant (title, CPA_date, etc.)
✓ ......
```

Can we store all employee characteristics and unique attributes (e.g. pilot's license, ratings, etc.) in one table?



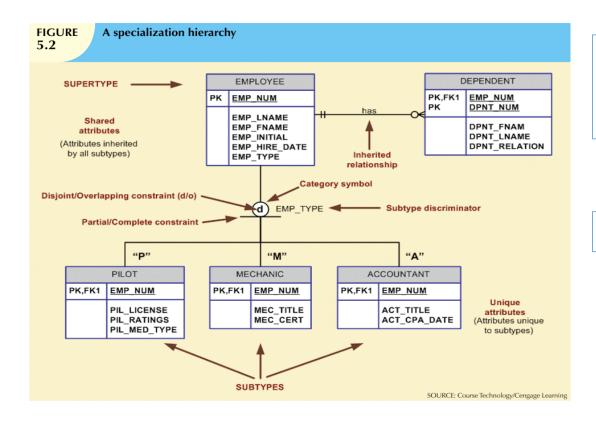
36



Is-a relationship – 1:1

Every subtype can have only one supertype to which it is directly related.

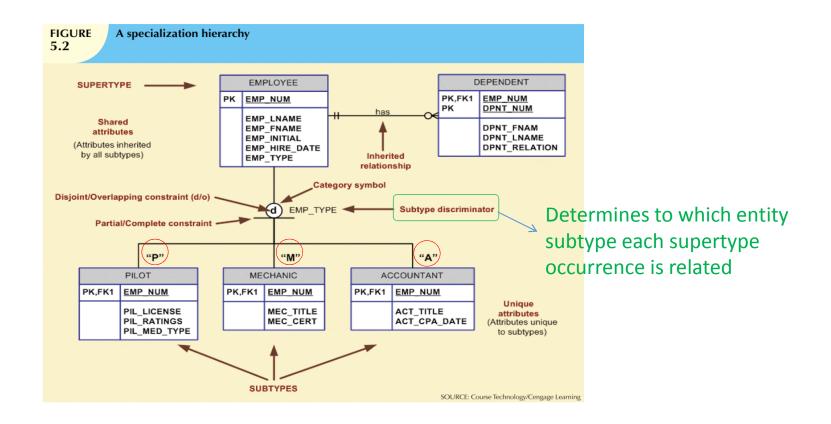
Can have many levels



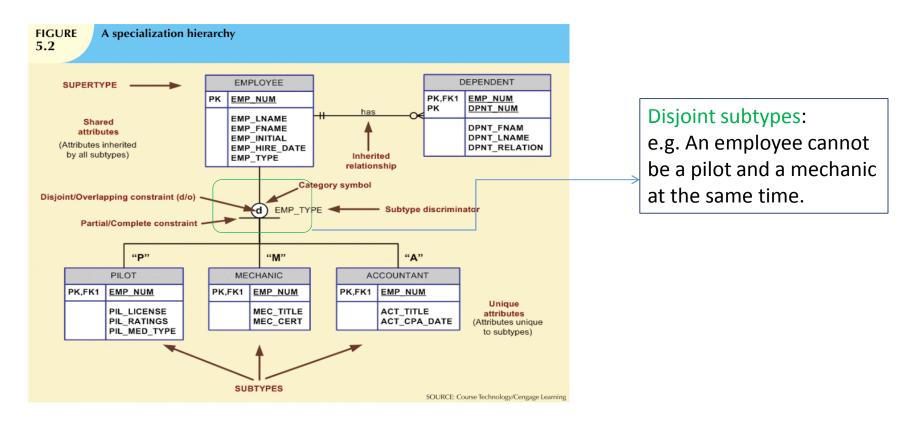
Subtype entities inherit all attributes and relationships of supertype

Inherit primary key

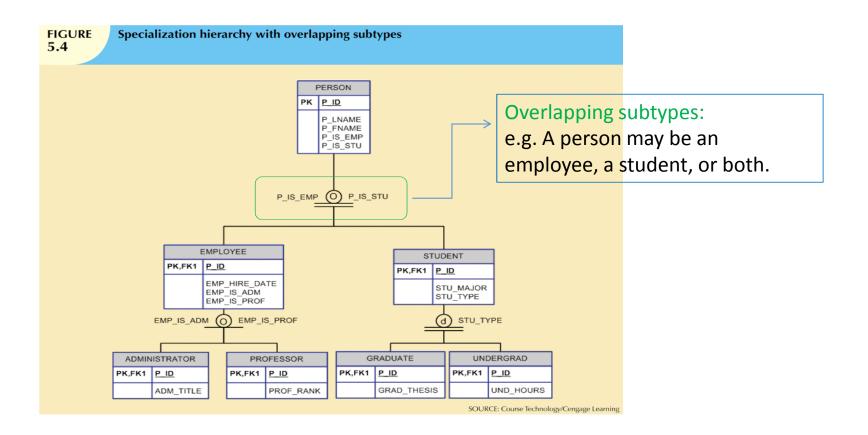
Subtype Discriminator



Disjoint Subtypes



Overlapping Subtypes



Partial/Total Completeness

