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Database Lab

Views

Fall Term 2023
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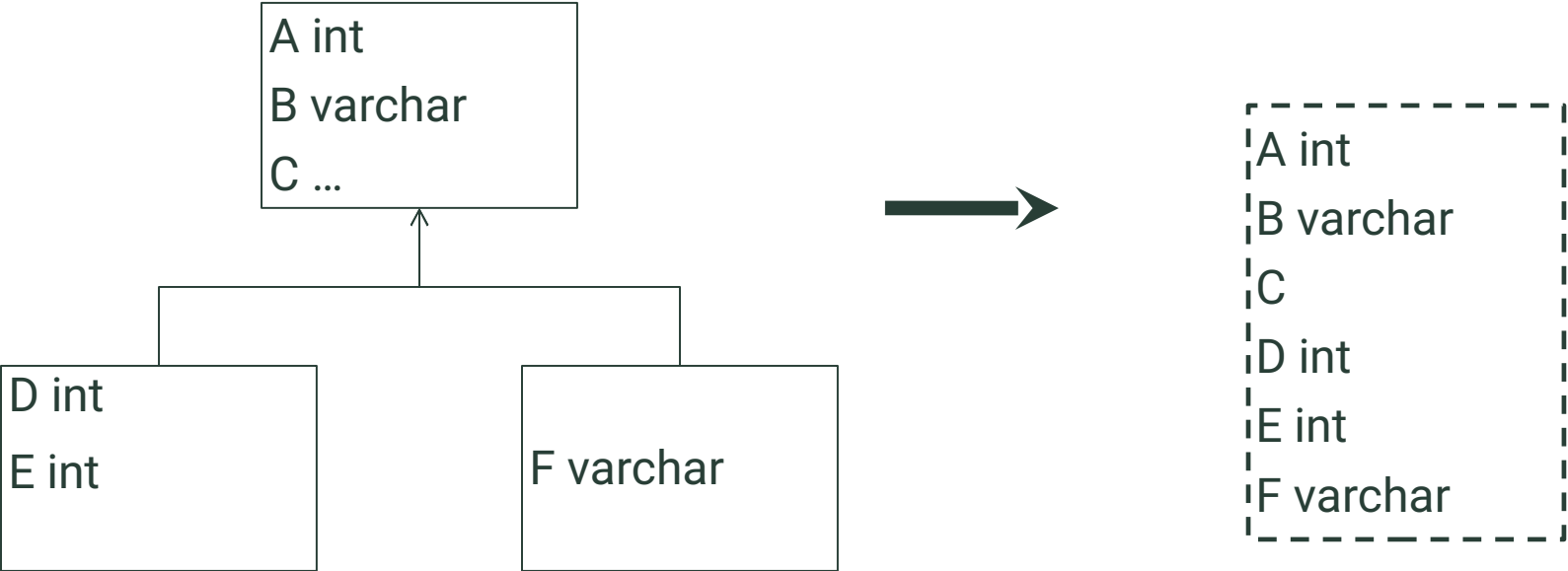
Topics

- conceptual design
- logical design
- consistency constraints
- data manipulation
- queries
- transactions
- **views**
- stored procedures and user-defined functions
- triggers
- database applications with Java (JDBC)

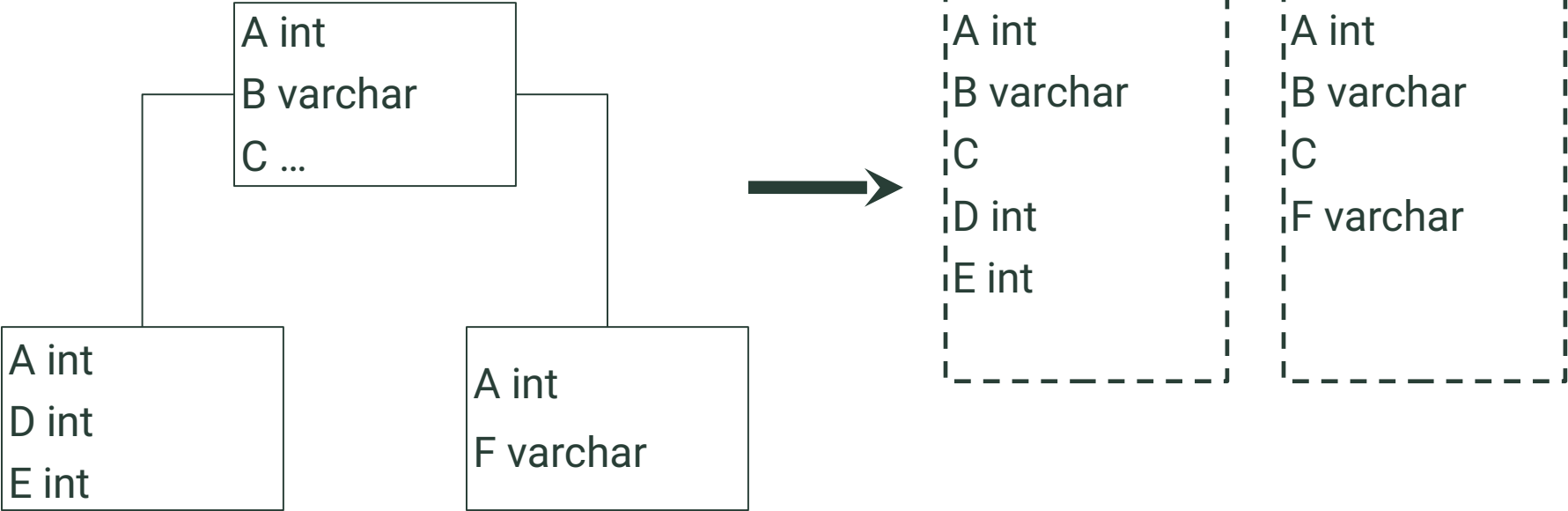
Exercises

- a view that shows all current reservations;
- a view that shows all reservations, together with the names of the reserving member, the licenseplate, make and model of the reserved car, and the home location of the vehicle;
- * a view that shows the locations together with the number of cars at this location and the number of members having this location as their home location

Specialization and Views (1)



Specialization and Views (2)



Exercises (2)

- the "outer" member table---this is a view showing all attributes of all tables in the member specialization hierarchy;
- * the "outer" vehicle table---this is a view showing all attributes of all the tables in the vehicle specialization hierarchy;
- look at the *_JT tables for vehicles and members, where the specialization hierarchies have been implemented with foreign keys. Define the PersonMemberV and VanV views showing all the attributes for PersonMembers and Vans, respectively (i.e., including the inherited ones).
- try to insert new tuples into those views from the previous exercise. What happens?