

Reading

Roman, Steven (1999) "Access Database Design and Programming" (chapter 5), O'Reilly, 2nd edition
ITR8 class (2001) "softix database" <http://wotan.illu.edu/home/krichel/itr8/db/softix.mdb>

Access Queries in Design View

The access query design view has two parts, the "table pane" and the "design grid".

If we drop columns from the table in the table pane to the design grid, we perform a join on the tables that were involved in the drop, combined with a projection onto the selected columns.

Example

Put the contributor.name, contributor.role and item.number.
You get all the contributors, with names and roles, and the items that they are on, repeated for each track.
Build a table with contributor.name, contributor.role, label.name, item.number. Run query.
To remove the duplications per track, set the group by totals.

Questions answered using filters on the query result..

Who has been a composer?

Which contributors have been working for the Deutsche Gramophone?

Who plays the piano on a Philips disk?

exercises

Perform queries to answer the following questions:

- Which works by what composers where recorded by the Deutsche Gramophone?
- Which works were recorded by the Deutsche Gramophone?
- Which composers wrote works for the orchestra?
- Which pianists played in piano concertos?
- Which labels have recorded symphonies?
- Which works have a pianist or a violinist participating?
- Which works were recorded between 1770 and 1870?
- Which works by what composers where composed between 1770 and 1870?