



Recursos compartidos en clase

- <https://db.cs.cmu.edu/papers/2024/whatgoesaround-sigmodrec2024.pdf>
- <https://www.cs.cmu.edu/~pavlo/>
- https://drive.google.com/file/d/1tpHDaZSkwrUNw694LQGVIFR_pMuHyp7y/view?usp=drive_link
- <https://shell.duckdb.org/>
- <https://dbdiagram.io/home>
- <https://dbml.dbdiagram.io/docs>
- <https://shell.duckdb.org/>
- https://drive.google.com/file/d/1tpHDaZSkwrUNw694LQGVIFR_pMuHyp7y/view?usp=sharing
- <https://link.excalidraw.com/l/8LxISq0FQJu/1dRy5JT02ph>





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```
-- Find borrowers who borrowed every book in BookBorrowers
SELECT DISTINCT outer_borrowers.BorrowerID
FROM BookBorrowers outer_borrowers
WHERE NOT EXISTS (
  -- List all unique BookIDs (our "complete set")
  SELECT BookID
  FROM (SELECT DISTINCT BookID FROM BookBorrowers) all_books
  WHERE NOT EXISTS (
    -- Check if this borrower has a record for each book
    SELECT *
    FROM BookBorrowers borrower_records
    WHERE borrower_records.BookID = all_books.BookID
    AND borrower_records.BorrowerID = outer_borrowers.BorrowerID
  )
);
```

