

Kræsjkurs INF115



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Innføring

SQL

Relasjonsalgebra

ER-Diagrammer

Normalisasjon

Indekser (B-trær)

Transaksjoner

Alt mulig

Temaer

- Select
- Aggregation
- Joins
- Update
- Insert
- Delete
- Create and Drop Tables
- Datatyper
- Constraints
- Alt mulig

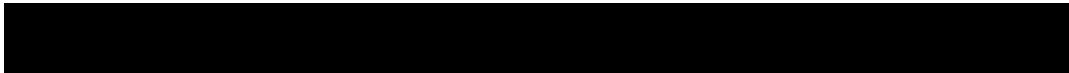
Select

```
SELECT director, COUNT(*) as c -- Spalter
FROM movie                      -- Tabeller
WHERE country = "Dabendorf"     -- Betingelser
GROUP BY director              -- Gruppering etter spalter
HAVING c > 3                    -- Betingelser etter gruppering
ORDER BY c DESC                 -- Sortering etter spalter
LIMIT 3;                       -- Velg de første n output linjene
```

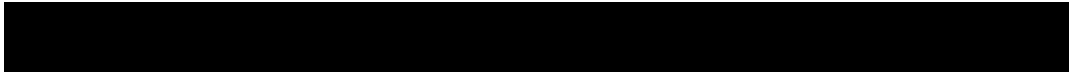
Aggregation

- Count: Teller antall elementer
- Sum: Summerer verdier
- Avg: Gjennomsitt av verdier (tilsvarer count/sum)
- Min: Minimum
- Max: Maksimum
- Alle aggregasjonsfunksjoner ignorerer null verdier

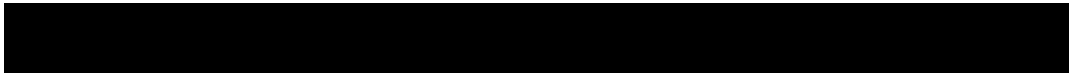
Join



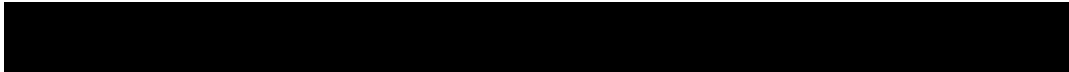
Update



Insert



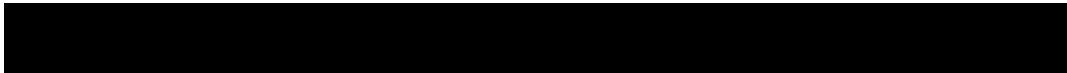
Delete



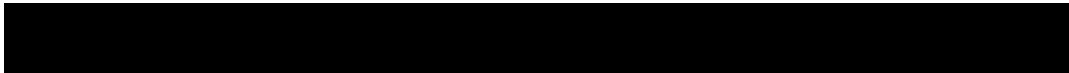
Create Table



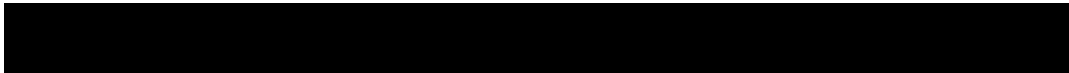
Drop Table



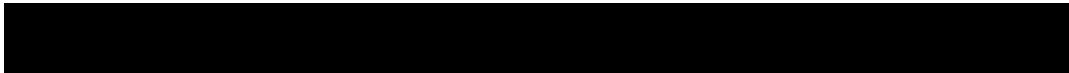
Datatyper



Constraints



Alt mulig



Takk for oppmerksomheten
Lykke til med eksamenen