

# Database Management Systems

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# From parse trees to logical query plans

- From the book **Database systems the complete book**
- <https://bit.ly/2UTjzMU>
- In section 16.3 parse is transformed into a logical query plan using the algebraic laws presented in section 16.2.
- In particular following are presented
  - 1 convert parse tree into an algebraic expression tree
  - 2 removing sub queries
  - 3 apply algebraic laws in section 16.2 to optimize the expression tree

## Section 16.4

- From the book **Database systems the complete book**
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- For each operator, size of input to an operator and size of output is estimated.
- Size is expressed in terms of number of tuples or number of disk blocks.
- Read all the examples in these two sections.