Subqueries

- Queries can be contained within one another. Such queries are called subqueries.
- Examples of subqueries:

  ```sql
  SELECT name FROM Employee WHERE id NOT IN (SELECT id FROM Managers)
  ```
  - This query will return the names of all employees that are not managers.
  - The inner query will return all manager IDs.
  - The outer query will only return employees that are not contained in the result of the subquery. This is done in the WHERE clause.

  ```sql
  SELECT id FROM (SELECT id, name FROM Managers WHERE salary > 80000)
  WHERE name = "John"
  ```
  - This query will return the IDs of all managers with salaries greater than $80,000, that are called "John".
  - The inner query will return names and IDs of all managers earning over $80,000.
  - The outer query will take from the inner query the IDs of all managers who are called "John".
    - Frankly, this query can and should be done without the use of subqueries.