

10/8/18 Notes

Subqueries

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

```
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.

```
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.