SubQuery : Query within another query or nested query which help to complex task. That time we can use sub query.

Sub query can be use with select, insert, update or delete query.

Employees

PK FK

Eid name salary deptId

Departments

PK

Did DName

Sub query mainly divided into two types.

1. Single row sub query : if sub query return only one result then it comes under category of single row sub query

Outer Query RO (Inner Query)

1. Multi row sub query : if sub query return more than one record it comes under the category of multi row sub query

Outer Query In/Any with RO/All with RO (Inner Query)

Outer query (Inner Query)

Outer Query (Inner Query (Inner Query))

In sub query first inner query execute and the result or output of inner query is input for outer query.

Whenever we use aggregate function like sum, avg, max, min or count. Before aggregate we need to use only that column name which we use group by clause.