Sub-Queries

1. In a SQL, a subquery is a query within another query. It is a select statement that is nested inside another SELECT ,INSERT,UPDATE or DELETE statement .The subquery is executed first and then its result is used as a parameter or condition for the outer query
2. On basis of **return data** there are three types
    1. Scalar sub-query --- >returns single value
    2. Row sub-query ---> returns row
    3. Table sub-query ----> returns rows and columns
3. On basis of **execution** there are two types of sub-query
    1. Independent -- the inner sub query does not depend on the outer query for its execution
    2. Correlated -- the inner sub query is related to its outer subquery
4. Where can subqueries be used?
    1. with INSERT
    2. with UPDATE
    3. with DELETE
    4. with SELECT
        1. WHERE
        2. FROM
        3. HAVING
        4. SELECT