**Sub Query (Explaining Single Row Sub Query by solving different SQL problems)**

1. Sub Query is a Query inside another Query
2. Understanding Sub Query:
   1. Outer Query
   2. Inner Query (Sub Query)
3. Based on the number of records retrieved by the Inner Query, we can categorize Sub Queries into:
   1. Single Row Sub Query
   2. Multi Row Sub Query
4. Practical Demonstrations:

SELECT \* FROM Customers;

## Find all the Customers in the Customers table who are from the same city of 'Hari Kumar'

select \* from Customers where city in(select city from Customers where ContactName = 'Hari Kumar')

## Finding the second maximum price of the Products

select max(Price) from Products where Price < (select max(Price) from Products)

## Finding the third maximum price of the Products

select max(price) from Products where Price < (select max(Price) from Products where Price < (select max(Price) from Products))

## Display the products sold at the least price

select ProductName from Products where Price = (select min(Price) from Products)