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**Practical 08: Subqueries**

**Objective:**  Study & Implementation of Sub queries.

1. **Subquery:** A subquery is a query which is nested inside a SELECT, INSERT, UPDATE , DELETE, or inside another subquery. Subqueries are also referred to as sub-SELECTs or nested-SELECTs.

mysql> use world;

Database changed

mysql> desc city;

+-------------+----------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-------------+----------+------+-----+---------+----------------+

| ID | int | NO | PRI | NULL | auto\_increment |

| Name | char(35) | NO | | | |

| CountryCode | char(3) | NO | MUL | | |

| District | char(20) | NO | | | |

| Population | int | NO | | 0 | |

+-------------+----------+------+-----+---------+----------------+

5 rows in set (0.06 sec)

mysql> select \* from city where name in (select name from city where district= 'Uttaranchal');

+------+------------------------+-------------+-------------+------------+

| ID | Name | CountryCode | District | Population |

+------+------------------------+-------------+-------------+------------+

| 1117 | Dehra Dun | IND | Uttaranchal | 270159 |

| 1213 | Hardwar (Haridwar) | IND | Uttaranchal | 147305 |

| 1318 | Haldwani-cum-Kathgodam | IND | Uttaranchal | 104195 |

+------+------------------------+-------------+-------------+------------+

3 rows in set (0.01 sec)