### DAY ☀️: \*\*Task – `BETWEEN` in SQL\*\*

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Created by :

Name: Dhiraj Kr.

Profession: Data Scientist & GenAI Developer

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### ⚡ Task 1: Filter Marks Between Range

\*\*Question:\*\* Show students who scored marks \*\*between 70 and 90\*\*.

\*\*Requirements:\*\*

- Use `BETWEEN`

- Table: `students`

**Query: SELECT \* FROM top\_mentors.marks**

**WHERE marks BETWEEN 70 AND 90;**

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### ⚡ Task 2: Filter Marks Outside Range

\*\*Question:\*\* Show students whose marks are \*\*not between 70 and 90\*\*.

\*\*Requirements:\*\*

- Use `NOT BETWEEN`

**Query: SELECT \* FROM top\_mentors.marks**

**WHERE marks NOT BETWEEN 70 AND 90;**

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### ⚡ Task 3: Filter Using Exact Match in Range

\*\*Question:\*\* Use `BETWEEN` to include students who scored exactly \*\*85 or 90\*\*.

\*\*Requirements:\*\*

- Verify inclusive nature of `BETWEEN`

**Query: SELECT \* FROM top\_mentors.marks**

**WHERE marks BETWEEN 85 AND 85 OR(marks BETWEEN 90 AND 90) ;**

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### ⚡ Task 4: Use BETWEEN with Text

\*\*Question:\*\* Create a table `books(title)` and use `BETWEEN` to find books from `'A'` to `'M'`.

\*\*Requirements:\*\*

- Works with alphabetical range

**Query: SELECT \* FROM top\_mentors.domains**

**WHERE domain\_name BETWEEN 'A' AND 'M'**

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### ⚡ Task 5: Use BETWEEN with Dates

\*\*Question:\*\* Create a table `attendance(date)` and filter dates between `'2024-01-01'` and `'2024-12-31'`.

\*\*Requirements:\*\*

- Test `BETWEEN` on `DATE` type

**Query: SELECT \* FROM projects**

**WHERE start\_date BETWEEN '2024-01-01' AND '2024-02-20';**

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### ⚡ Task 6: Combine BETWEEN with AND

\*\*Question:\*\* Show students who scored \*\*between 70 and 90\*\* and whose names start with 'R'.

\*\*Requirements:\*\*

- Use `BETWEEN` and `LIKE` together

**Query: SELECT \* FROM student**

**WHERE AGE BETWEEN 18 AND 20 AND (SNAME LIKE 'R%')**

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### ⚡ Task 7: Use BETWEEN with Greater Condition

\*\*Question:\*\* Show students who scored \*\*between 70 and 90\*\*, but only if ID > 2.

\*\*Requirements:\*\*

- Use `BETWEEN` and `>`

**Query: SELECT \* FROM students**

**WHERE score BETWEEN 70 AND 90 AND (ID>2);**

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### ⚡ Task 8: Check Inclusiveness

\*\*Question:\*\* Insert a student with 70 marks and one with 90 marks, and test if both appear in `BETWEEN 70 AND 90`.

\*\*Requirements:\*\*

- Prove inclusiveness of `BETWEEN`

**Query: SELECT \* FROM marks**

**WHERE marks BETWEEN 70 AND 90;**

**Yes Both are Inclusive**

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### ⚡ Task 9: Use BETWEEN on ID Range

\*\*Question:\*\* Show students whose `id` is between 2 and 4.

\*\*Requirements:\*\*

- Use `BETWEEN` on a numeric ID field

**Query: SELECT \* FROM students**

**WHERE id BETWEEN 2 AND 4**

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### ⚡ Task 10: Test NOT BETWEEN with Multiple Conditions

\*\*Question:\*\* Show students \*\*not\*\* between marks 60 and 85 \*\*and\*\* from city `Delhi`.

\*\*Requirements:\*\*

- Use `NOT BETWEEN` with `AND`

**Query:**

**---SELECT \* FROM STUDENTS   
WHERE marks BETWEEN 60 AND 85 AND (city = ‘Delhi’)**

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