### DAY ☀️: \*\*Task – Aliases (`AS`) in SQL\*\*

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### ⚡ Task 1: Alias for a Column

\*\*Question:\*\* Show student `name` as `Student\_Name` and `city` as `Location`.

\*\*Requirements:\*\*

- Use `AS` keyword

- Table: `students`

**Query : SELECT name as Student\_Name ,city as Location FROM students**

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### ⚡ Task 2: Alias for Marks

\*\*Question:\*\* Display `marks` column as `Total\_Marks`.

\*\*Requirements:\*\*

- Use `AS` to rename column in result

**Query : SELECT marks as Total\_Marks FROM students**

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### ⚡ Task 3: Alias Without AS

\*\*Question:\*\* Show student `name` as `Student` without using the `AS` keyword.

\*\*Requirements:\*\*

- Avoid using `AS`, still apply alias

**Query : SELECT name Student ,city as Location FROM students**

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### ⚡ Task 4: Multiple Column Aliases

\*\*Question:\*\* Show name, city, and marks with aliases: `Student`, `City\_Name`, `Score`.

\*\*Requirements:\*\*

- Use `AS` for each column

**Query : SELECT name as Student ,city AS City\_Name ,marks as Score FROM students**

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### ⚡ Task 5: Table Alias for Shorter Query

\*\*Question:\*\* Use `s` as alias for `students` table and select `s.name`, `s.marks`.

\*\*Requirements:\*\*

- Alias table in the `FROM` clause

**Query : SELECT s.name,s.marks FROM students as s**

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### ⚡ Task 6: Combine Table and Column Aliases

\*\*Question:\*\* Use `s` for table and alias columns as `Name`, `Marks\_Scored`.

\*\*Requirements:\*\*

- Apply both table alias and column alias

**Query : SELECT** [**s.name**](http://s.name) **as Name,s.marks as Marks\_Scored FROM students as s**

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### ⚡ Task 7: Use Alias with WHERE

\*\*Question:\*\* Use table alias `s`, and filter students from `Delhi`, display `name` as `Student\_Name`.

\*\*Requirements:\*\*

- Combine `AS`, `WHERE`, and table alias

**Query : SELECT s.name as Student\_Name FROM students as s**

**WHERE s.city = ‘Delhi’**

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### ⚡ Task 8: Use Alias in ORDER BY

\*\*Question:\*\* Show student names and marks as `Name`, `Score`, and sort by `Score`.

\*\*Requirements:\*\*

- Alias column and sort using the alias

**Query : SELECT s.name as Name,s.marks as Score FROM students as s**

**ORDER BY s.marks**

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### ⚡ Task 9: Insert & Alias

\*\*Question:\*\* Insert a new student `(5, 'Riya', 'Pune', 77)` and display her record with column aliases.

\*\*Requirements:\*\*

- Perform `INSERT`, then use `SELECT` with `AS`

**INSERT INTO students**

**VALUES(5,’Riya’,’Pune’,77)**

**SELECT name as Student\_Name FROM students**

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### ⚡ Task 10: Grouped Output with Alias

\*\*Question:\*\* Group by `city` and show average `marks` as `Average\_Marks`.

\*\*Requirements:\*\*

- Use `AS` with aggregate function

**Query : SELECT s.city as City\_Name, AVG(s.marks)as Average\_Marks FROM students as s**

**GROUP BY s.city**

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