Tab 1

### DAY ☀️: \*\*Task – Updating Data in SQL\*\*

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### ⚡ Task 1: Update City

\*\*Question:\*\* Change the city of student `Rahul` to `Bangalore`.

\*\*Requirements:\*\*

- Use `UPDATE` and `WHERE`

- Table: `students`

**Query : UPDATE students**

**SET city = 'Bangalore'**

**WHERE name = 'Rahul';**

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### ⚡ Task 2: Update Age

\*\*Question:\*\* Increase the age of student `Anjali` to `19`.

\*\*Requirements:\*\*

- Modify only one column

**Query: UPDATE students**

**SET age= age+1**

**WHERE name = 'Anjali';**

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### ⚡ Task 3: Update Multiple Columns

\*\*Question:\*\* Update `Priya`'s age to `21` and city to `Hyderabad`.

\*\*Requirements:\*\*

- Use `SET` to update more than one column

**Query: UPDATE students**

**SET age= 21,city = 'Hyderabad'**

**WHERE name = 'Priya';**

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### ⚡ Task 4: Update by ID

\*\*Question:\*\* Change the city of student with ID = 3 to `Kolkata`.

\*\*Requirements:\*\*

- Use condition on `id`

**Query : UPDATE students**

**SET city = 'Kolkata'**

**WHERE id = 3;**

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### ⚡ Task 5: Update All Rows (With Caution)

\*\*Question:\*\* Set the age of all students to `20`.

\*\*Requirements:\*\*

- Use without `WHERE` for learning purpose only

**Query : UPDATE students**

**SET age = 20;**

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### ⚡ Task 6: Update Based on City

\*\*Question:\*\* Change all students from `Delhi` to `Noida`.

\*\*Requirements:\*\*

- Use `WHERE city = 'Delhi'`

**Query : UPDATE students**

**SET city= 'Noida'**

**WHERE city= 'Delhi';**

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### ⚡ Task 7: Update Using Logical Operator

\*\*Question:\*\* Update city to `Indore` where age > 18 AND city = 'Mumbai'.

\*\*Requirements:\*\*

- Use `AND` in `WHERE`

**Query: UPDATE students**

**SET city = 'Indore'**

**WHERE age >21 AND city = 'Mumbai';**

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### ⚡ Task 8: Update With String in Condition

\*\*Question:\*\* Change name `Neha` to `Sneha`.

\*\*Requirements:\*\*

- Use string values with quotes

**Query: UPDATE students**

**SET name = 'Sneha'**

**WHERE name = ‘Neha’;**

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### ⚡ Task 9: Update With LIKE

\*\*Question:\*\* Update city to `Nashik` for all students whose name starts with 'R'.

\*\*Requirements:\*\*

- Use `LIKE 'R%'`

**Query : UPDATE students**

**SET city = 'Nashik'**

**WHERE name LIKE 'R%';**

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### ⚡ Task 10: Update After Inserting New Row

\*\*Question:\*\* Insert a new student `(6, 'Sonal', 20, 'Agra')` and then update her city to `Kanpur`.

\*\*Requirements:\*\*

- Perform `INSERT` followed by `UPDATE`

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**Query: INSERT INTO students**

**VALUES (6,'Sonal',20,'Agra',50);**

**UPDATE students**

**SET city = 'Kanpur'**

**WHERE id= 6;**

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