

# Module 3: Data Definition language(DDL) & Data Manipulation Language(DML)

## Lesson 3:UPDATE & DELETE statement

- Identify syntax of UPDATE statement
- Identify syntax of DELETE statement
- Importance of WHERE clause in UPDATE & DELETE

# Altering rows of a table – UPDATE

- After creating table and inserting data in it, we can alter data into a table
- UPDATE statement – DML statement used to read and modify data

AUTHOR_ID (PK)	Last_name	First_name	Email	City	Country
A1	Ajay	Sharma	<a href="mailto:as@gmali.com">as@gmali.com</a>	Pune	India
A2	Karan	Pal	<a href="mailto:kp@yahoo.com">kp@yahoo.com</a>	Mumbai	India
A3	Vinay	Shah	<a href="mailto:vsh@gmail.com">vsh@gmail.com</a>	Kolkata	India
A4	Ram	Kale	<a href="mailto:ramk@hotmail.com">ramk@hotmail.com</a>	Delhi	India

# Using UPDATE statement

## ➤ Syntax

```
UPDATE <table_name>  
Set [ColumnName] = [Value]  
<WHERE [Condition]>
```

# Using UPDATE statement

## ► Example

AUTHOR_ID (PK)	Last_name	First_name	Email	City	Country
A1	Ajay	Sharma	<a href="mailto:as@gmali.com">as@gmali.com</a>	Pune	India
A2	Karan	Pal	<a href="mailto:kp@yahoo.com">kp@yahoo.com</a>	Mumbai	India

**UPDATE** AUTHOR  
Set Last\_Name = 'Kulkarni'  
And first\_name = 'Abhi'  
**WHERE** Author\_ID = 'A2'

AUTHOR_ID (PK)	Last_name	First_name	Email	City	Country
A1	Ajay	Sharma	<a href="mailto:as@gmali.com">as@gmali.com</a>	Pune	India
A2	<b>Kulkarni</b>	<b>Abhi</b>	<a href="mailto:kp@yahoo.com">kp@yahoo.com</a>	Mumbai	India

# Deleting rows from a table

- Delete one or more rows of data from table
- DELETE statement: a DML statement used to read and modify data

**DELETE FROM** <table\_name>  
**WHERE** [Condition]

# Delete Example

AUTHOR_ID (PK)	Last_name	First_name	Email	City	Country
A1	Ajay	Sharma	<a href="mailto:as@gmali.com">as@gmali.com</a>	Pune	India
A2	Karan	Pal	<a href="mailto:kp@yahoo.com">kp@yahoo.com</a>	Mumbai	India
A3	Vinay	Shah	<a href="mailto:vsh@gmail.com">vsh@gmail.com</a>	Kolkata	India
A4	Ram	Kale	<a href="mailto:ramk@hotmail.com">ramk@hotmail.com</a>	Delhi	India

**DELETE FROM** AUTHOR  
**WHERE** AUTHOR\_ID IN ('A2','A4')

AUTHOR_ID (PK)	Last_name	First_name	Email	City	Country
A1	Ajay	Sharma	<a href="mailto:as@gmali.com">as@gmali.com</a>	Pune	India
A3	Vinay	Shah	<a href="mailto:vsh@gmail.com">vsh@gmail.com</a>	Kolkata	India



# Summary

- Identify syntax and use of UPDATE statement
- Identify syntax and use of DELETE statement
- Explain the use of WHERE clause