

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

## Lesson 3:INSERT statement

- Populating relational database table
- Syntax of INSERT statement
- Two methods to add rows to a table

# Adding rows to a table

- Create a table
- Populate table with rows of data
- INSERT statement – DML statement read & modify data

AUTHOR_ID (PK)	Last_name	First_name	Email	City	Country
A1	Ajay	Sharma	<a href="mailto:as@gmail.com">as@gmail.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

# INSERT statement

## ➤ Syntax

**INSERT INTO** *table\_name* (<columnName1>,  
<columnName2>.....)

**Values**

(<value>, <value>,.....)

# INSERT statement Example

AUTHOR_ID (PK)	Last_name	First_name	Email	City	Country
A1	Ajay	Sharma	<a href="mailto:as@gmail.com">as@gmail.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

**INSERT INTO** *author* (*author\_id,last\_name,first\_name,email,city,country*)

*Values*

*('A1','Ajay','Sharma','as@gmail.com','Pune','India')*

# Inserting Multiple rows

AUTHOR_ID (PK)	Last_name	First_name	Email	City	Country
A1	Ajay	Sharma	<a href="mailto:as@gmail.com">as@gmail.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

```
INSERT INTO AUTHOR (AUTHOR_ID, LAST_NAME, FIRST_NAME, EMAIL, CITY, COUNTRY)
VALUES
('A1', 'Sharma', 'Ajay', 'as@gmail.com', 'Pune', 'India'),
('A2', 'Pal', 'Karan', 'kp@yahoo.com', 'Mumbai', 'India'),
('A3', 'Shah', 'Vinay', 'vsh@gmail.com', 'Kolkata', 'India'),
('A4', 'Kale', 'Ram', 'ramk@hotmail.com', 'Delhi', 'India'),
('A5', 'Wright', 'John', 'jw@hotmail.com', 'Houston', 'USA'),
('A6', 'Wood', 'Bob', 'BobW@hotmail.com', 'Toronto', 'Canada')
```

10 %

Messages

(6 rows affected)



# Summary

- INSERT statement syntax
- Inserting one or multiple rows in a table