

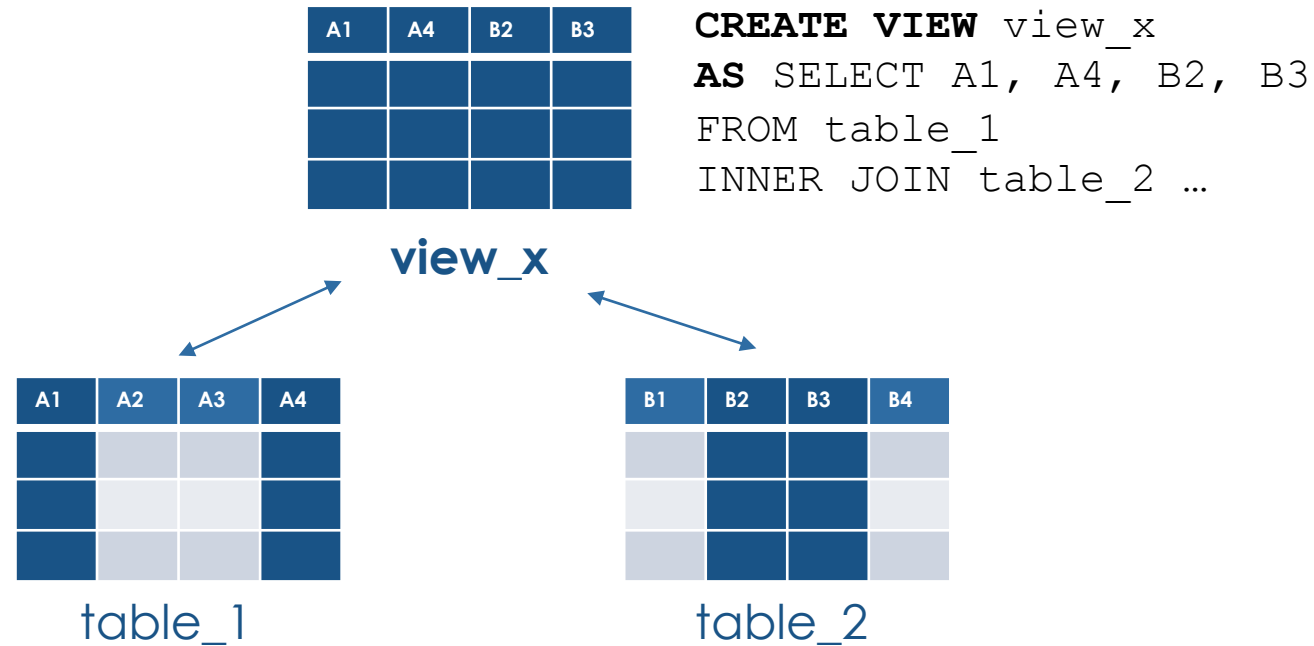
Views

# Learning Objectives

- ▶ Views
- ▶ Types of views

# View

- Logical query against source tables



# Types of views

1. (Stored) Views
2. Temporary views
3. Global Temporary views

# 1- (Stored) Views

- ▶ Persisted objects
- ▶ **CREATE VIEW** view\_name  
**AS** query

## 2- Temporary view

- ▶ Session-scoped view
- ▶ **CREATE TEMP VIEW** view\_name  
**AS** query

# Spark Session

- ▶ Opening a new notebook
- ▶ Detaching and reattaching to a cluster
- ▶ Installing a python package
- ▶ Restarting a cluster

# 3- Global Temporary views

- ▶ Cluster-scoped view
- ▶ **CREATE GLOBAL TEMP VIEW** view\_name  
**AS** query
- ▶ SELECT \* FROM **global\_temp**.view\_name



# Views comparison

## (Stored) Views

- ▶ Persisted in DB
- ▶ Dropped only by **DROP VIEW**
- ▶ CREATE VIEW

## Temp views

- ▶ Session-scoped
- ▶ dropped when session ends
- ▶ CREATE **TEMP** VIEW

## Global Temp views

- ▶ Cluster-scoped
- ▶ dropped when cluster restarted
- ▶ CREATE **GLOBAL TEMP** VIEW