

#### Hands-on Lab: Create Tables using SQL Scripts and Load Data into Tables

Estimated time needed: 30 minut

In this lab, you will learn how to run SQL scripts to create several tables at once, as well as how to load data into tables from .esv file

#### Software Used in this La

In this lab, you will use IBM Db2 Database. Db2 is a Relational Database Management System (RDBMS) from IBM, designed to store, analyze and retrieve the data efficien

To complete this lab you will utilize a Db2 database service on IBM Cloud. If you did not already complete this lab task earlier in this module, you will not yet have access to Db2 on IBM Cloud, and you will need to follow this lab first

Hands-on Lab : Sign up for IBM Cloud, Create Db2 service instance and Get started with the Db2 console

# Database Used in this Lab

The database used in this lab is an internal database. You will be working on a sample HR database. This HR database schema consists of 5 tables called EMPLOYEES, JOB\_HISTORY, JOBS, DEPARTMENTS and LOCATIONS. Each table has a few rows of sample data. The following diagram shows the tables for the HR database.

# | SAMPLE HR DATABASE TABLES | SAMPLE HR DATABASE | SAMPLE HR DATA

#### Objectives

After completing this lab, you will be

Create tables using SQL scripts
 Load data into tables

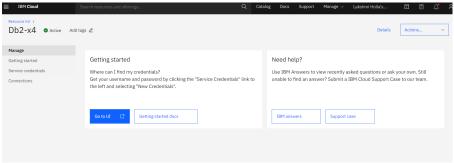
NOTE: Make sure that you are using the CSV file and datasets from the same instruction file

# Exercise 1: Create tables using SQL scripts

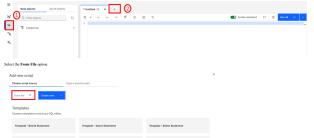
In this exercise, you will learn how to execute a script containing the CREATE TABLE commands for all the tables rather than create each table manually by typing the DDL commands in the SQL ed

1. Download the script file to your computer:

HR Database Create Tables Script sql

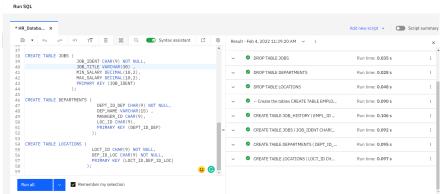


3. Click on SQL on the left comer and click the +icon



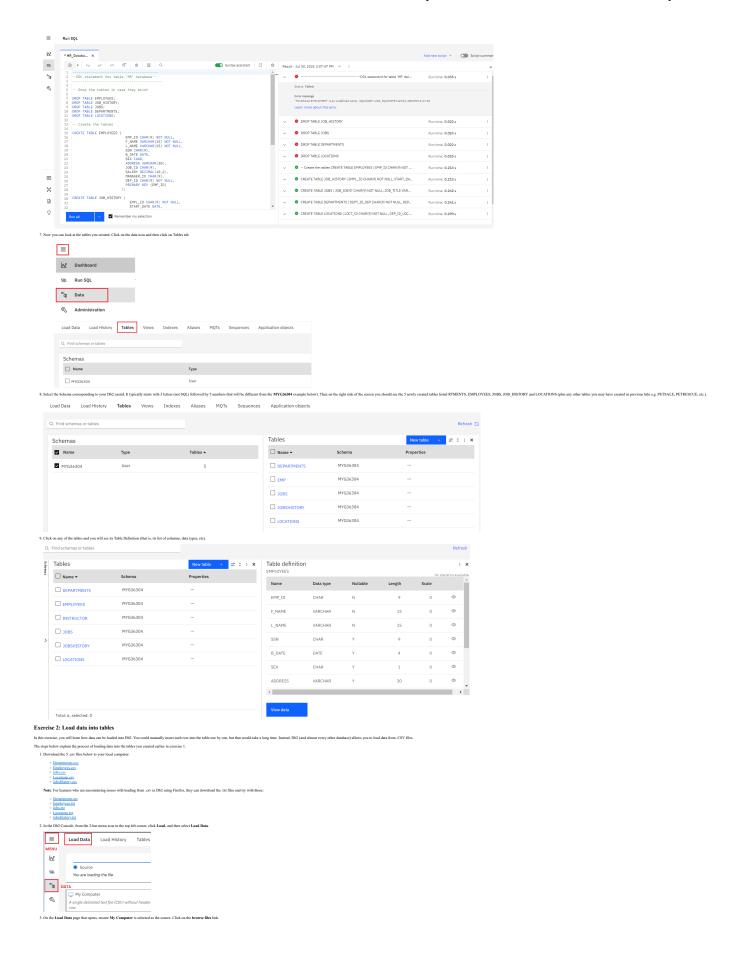
4. Locate the file HR\_Database\_Create\_Tables\_Script.sql that you downloaded to your computer earlier and open it.

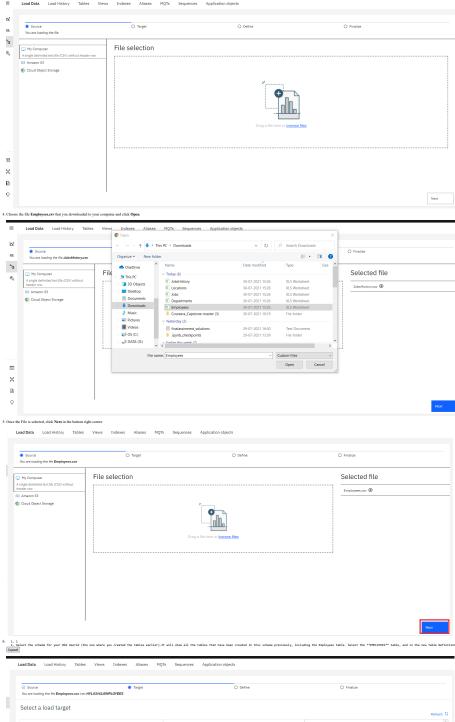
5. Once the statements are in the SQL Editor tool , you can run the queries against the database by selecting the Run All button.



On the right side of the SOL editor window you will see a Result section. Clicking on a curer in the Result section will show the execution details of the isb like whether it run successfully on had any errors or warnings. Ensure your queries run successfully and created all the tablest

Note: You may see several errors before the successful creation of the tables. These errors relate to the dropping (removal) of any pre-existing version of these tables. You can ignore these errors.





Load Data Load Pistory Tables Views Indexes Aliases MUTs Sequences Application objects

Source

Target

O Datines

C Finalize

Table

All insiring data will be defined to the data will be deleted from the table whether or not the lasting action capitates will SML STORY

LOCATIONS

COLUMN NAME

DATA TYPE

NULLBELE

ALIANT

LAMB

VIASALTE

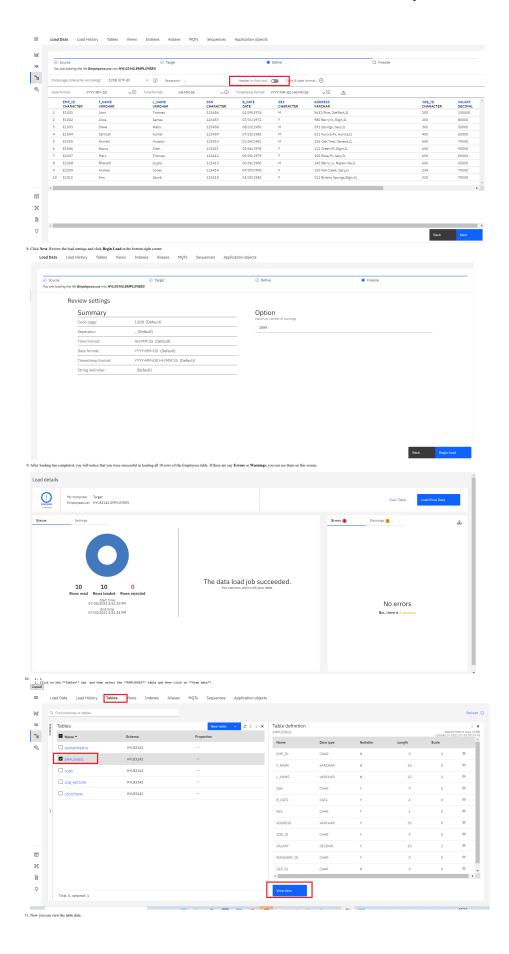
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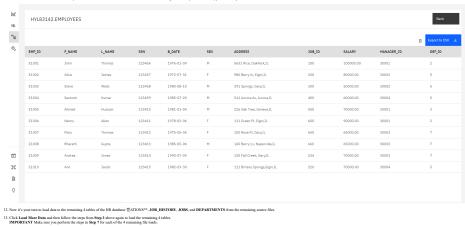
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Congratulations! You have completed this lab, and you are ready for the next topic.

### Author(s)

Rav Ahuja
 Sandio Saha Joy

## Changelog

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