LAB: String Patterns, Sorting & Grouping

The practice problems for this Lab will provide hands on experience with string patterns, sorting result sets and grouping result sets. You will also learn how to run SQL scripts to create several tables at once, as well as how to load data into tables from .csv files.

HR Database

LOD LUCTORY

We will be working on a sample HR database for this Lab. 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

EMPLOYEES EMP_ID F_NAME L_NAME SSN **B_DATE** SEX ADDRESS JOB_ID SALARY MANAGER_ID DEP_ID E1001 123456 1976-01-09 5631 Rice, OakPark,IL 100 30001 John Thomas 100000 E1002 Alice 123457 1972-07-31 980 Berry In, Elgin,IL 80000 30002 E1003 Steve Wells 123458 1980-08-10 291 Springs, Gary, IL 300 50000 30002 5

IORS

JOR_HIZ LOKA					
	EMPL_ID	START_DATE	JOBS_ID	DEPT_ID	
	E1001	2000-01-30	100	2	
	E1002	2010-08-16	200	5	
	E1003	2016-08-10	300	5	

JOBS				
JOB_IDENT	JOB_TITLE	MIN_SALARY	MAX_SALARY	
100	Sr. Architect	60000	100000	
200	Sr.SoftwareDeveloper	60000	80000	
300	Jr.SoftwareDeveloper	40000	60000	

DEPARTMENTS					
DEPT_ID_DEP	DEP_NAME	MANAGER_ID	LOC_ID		
2	Architect Group	30001	L0001		
5	Software Development	30002	L0002		
7	Design Team	30003	L0003		
5	Software	30004	L0004		

LOCATIONS		
LOCT_ID	DEP_ID_LOC	
L0001	2	
L0002	5	
L0003	7	

To complete this lab you will utilize Db2 database service on IBM Cloud as you did for the previous lab. There are three parts to this lab:

- Creating tables
- II. Loading data into tables
- III. Composing and running queries