**-- TASK 1: WHAT IS "SYS" IN ABOVE STATEMENTS? WHAT KIND OF OBJECT IS THIS? WHERE DO YOU VERIFY?**

SYS Means: System

It’s a Predefined Schema.

To Verify:

SELECT \* FROM SYS.SCHEMAS

-- TASK 2: YOU ARE CONNECTED TO A DATABASE CALLED DB1.

HOW DO YOU VERIFY THE SCHEMAS THAT ARE RESIDING IN ANOTHER DATABASE DB2 ?

SELECT \* FROM DB2.SYS.SCHEMAS

-- TASK 3: YOU ARE CONNECTED TO A DATABASE CALLED DB1.

HOW DO YOU VERIFY THE TABLES THAT ARE RESIDING IN ANOTHER DATABASE DB2 ?

SELECT \* FROM DB2.SYS.TABLES

-- TASK 4: WRITE A QUERY TO REPORT LIST OF ALL SCHEMAS AND RESPECTIVE TABLES IN EACH SCHEMA IN THE CURRENTLY CONNECTED DATABASE?

SELECT S.NAME AS SCHEMA\_NAME, T.NAME AS TABLE\_NAME FROM

SYS.SCHEMAS AS S

JOIN

SYS.TABLES AS T

ON S.schema\_id=T.schema\_id

-- TASK 5: WRITE A QUERY TO REPORT LIST OF ALL SCHEMAS AND NUMBER OF TABLES IN EACH SCHEMA IN THE CURRENTLY CONNECTED DATABASE?

SELECT S.NAME AS SCHEMA\_NAME, COUNT(\*) AS TABLE\_COUNT FROM

SYS.SCHEMAS AS S

JOIN

SYS.TABLES AS T

ON S.schema\_id=T.schema\_id

GROUP BY S.NAME

-- TASK 6: CAN YOU USE ORDER BY INSIDE VIEW? IF NOT, WHAT IS THE ALTERNATIVE ?

NO, WE CANNOT USE ORDER BY **INSIDE** VIEWS.

ALTERNATIVE:

SELECT \* FROM <<VIEW-NAME>> ORDER BY <<COLUMN-NAME>>