11/12/24, 3:20 p.m.		about:blank	
SQL Cheat Sheet: Views, Stored Procedures and Transactions			
Views	Stan	Description.	Francels
Topic  Create View	Syntax  CREATE VIEW view_name AS SELECT column1, column2, FROM table_name WHERE condition;	A CREATE VIEW is an alternative way of representing data that exists in one or more tables.	Example  CREATE VIEW EMPSALARY AS SELECT EMP_ID, F_NAME, L_NAME, B_DATE, SEX, SALARY FROM EMPLOYEES;
Update a View	CREATE OR REPLACE VIEW view_name AS SELECT column1, column2, FROM table_name WHERE condition;	The CREATE OR REPLACE VIEW command updates a view.	CREATE OR REPLACE VIEW EMPSALARY AS SELECT EMP_ID, F_NAME, L_NAME, B_DATE, SEX, JOB_TITLE, MIN_SALARY, MAX_SALARY FROM EMPLOYEES, JOBS WHERE EMPLOYEES.JOB_ID = JOBS.JOB_IDENT;
Drop a View	DROP VIEW view_name;	Use the DROP VIEW statement to remove a view from the database.	DROP VIEW EMPSALARY;
Stored Procedures in IBM Db2 using SQL			
			#SET TERMINATOR @ CREATE PROCEDURE RETRIEVE_ALL
	#SET TERMINATOR @ CREATE PROCEDURE_NAME		LANGUAGE SQL READS SQL DATA
a. In I	LANGUAGE BEGIN	A stored procedure is a prepared SQL code that you can save, so the code can be reused over and over again.	DYNAMIC RESULT SETS 1 BEGIN
Stored Procedures	END	The default terminator for a stored procedure is semicolon(;). To set a different terminator we use SET TERMINATOR clause followed by the terminator such as '@'.	DECLARE C1 CURSOR WITH RETURN FOR  SELECT * FROM PETSALE;
			OPEN C1;
			END @
Stored Procedures in MySQL using phpMyAda	min		
	DELIMITER // CREATE PROCEDURE_NAME		DELIMITER // CREATE PROCEDURE RETRIEVE_ALL()
Stored Procedures	BEGIN	A stored procedure is a prepared SQL code that you can save, so the code can be reused over and over again.	BEGIN
	END // DELIMITER;	The default terminator for a stored procedure is semicolon (;). To set a different terminator we use DELIMITER clause followed by the terminator such as \$\$ or //.	SELECT * FROM PETSALE; END //
			DELIMITER;
Transactions with Db2			
	COMMIT;	A COMMIT command is used to persist the changes in the database.	CREATE TABLE employee(ID INT, Name VARCHAR(20), City VARCHAR(20), Salary INT, Age INT);  INSERT INTO employee( ID, Name, City, Salary, Age) VALUES( 1, 'Priyanka pal', 'Nasik', 36000, 21), (2, 'Riya chowdary', 'Bangalor', 82000, 29);
Commit command		The default terminator for a COMMIT command is semicolon (;).	SELECT *FROM employee; COMMIT;
			As auto-commit is enabled by default, all transactions will be committed. We need to disable this option to see how rollback works.
			For db2, we have to disable auto-commit manually. Click the gear icon located on the right side of the SQL Assistant window. Next, select the "On Success" drop-down and choose "commit after the last statement in the script" Remember to save your changes!
			<pre> &lt; d-1 * Untitled - 2 * Untitled × +</pre>
			× ▲ Syntax assistant
			Current path
	ROLLBACK;	A ROLLBACK command is used to rollback the transactions which are not saved in the database.	On success  Commit after the last statement in the script
Rollback command		The default terminator for a ROLLBACK command is semicolon (;).	On error
			Continue with following statements  Status Runtime
			3
			Cancel
			No history
			INSERT INTO employee VALUES (3, 'Swetha Tiwari', 'Kanpur', 38000, 38);
			SELECT *FROM employee; ROLLBACK; SELECT *FROM employee;
Transactions with MySQL			
			CREATE TABLE employee(ID INT, Name VARCHAR(20), City VARCHAR(20), Salary INT, Age INT);  START TRANSACTION;
Commit command	COMMIT;	A COMMIT command is used to persist the changes in the database.  The default terminator for a COMMIT command is semicolon (;).	INSERT INTO employee( ID, Name, City, Salary, Age) VALUES( 1, 'Priyanka pal', 'Nasik', 36000, 21), (2, 'Riya chowdary', 'Bangalor', 82000, 29);
			SELECT *FROM employee; COMMIT;
	ROLLBACK;	A ROLLBACK command is used to rollback the transactions which are not saved in the database.	As auto-commit is enabled by default, all transactions will be committed. We need to disable this option to see how rollback works. For MySQL use the command "SET autocommit = 0;"
Rollback command		The default terminator for a ROLLBACK command is semicolon (;).	INSERT INTO employee VALUES (3, 'Swetha Tiwari', 'Kanpur', 38000, 38);  SELECT *FROM employee;
			ROLLBACK; SELECT *FROM employee;
Db2 Transactions using Stored Procedure			
			#SET TERMINATOR @ CREATE PROCEDURE TRANSACTION_ROSE LANGUAGE SQL MODIFIES SQL DATA BEGIN
			DECLARE SQLCODE INTEGER DEFAULT 0; DECLARE retcode INTEGER DEFAULT 0; DECLARE CONTINUE HANDLER FOR SQLEXCEPTION
	-#SET TERMINATOR @  CREATE PROCEDURE_NAME		SET retcode = SQLCODE;  UPDATE BankAccounts
	BEGIN	A COMMIT command is used to persist the changes in the database.	SET Balance = Balance-200 WHERE AccountName = 'Rose';
Commit command	COMMIT; END	The default terminator for a COMMIT command is semicolon (;).	<pre>UPDATE BankAccounts SET Balance = Balance-300 WHERE AccountName = 'Rose';</pre>
			IF retcode < 0 THEN ROLLBACK WORK;
			ELSE COMMIT WORK;
			END IF; END
			@#SET TERMINATOR @ CREATE PROCEDURE TRANSACTION_ROSE LANGUAGE SQL MODIFIES SQL DATA
Rollback command	ROLLBACK,	A ROLLBACK command is used to rollback the transactions which are not saved in the database.  The default terminator for a ROLLBACK command is semicolon (;).	BEGIN
			DECLARE SQLCODE INTEGER DEFAULT 0; DECLARE retcode INTEGER DEFAULT 0; DECLARE CONTINUE HANDLER FOR SQLEXCEPTION SET retcode = SQLCODE;
			UPDATE BankAccounts SET Balance = Balance-200
			WHERE AccountName = 'Rose';  UPDATE BankAccounts
			<pre>SET Balance = Balance-300 WHERE AccountName = 'Rose';</pre>
			IF retcode < 0 THEN ROLLBACK WORK;
			ELSE COMMIT WORK; END IF;
			END @
MySQL Transactions using Stored Procedure			
_			DELIMITER //
			CREATE PROCEDURE TRANSACTION_ROSE() BEGIN
	DELIMITER //		DECLARE EXIT HANDLER FOR SQLEXCEPTION BEGIN
	CREATE PROCEDURE_NAME BEGIN		ROLLBACK; RESIGNAL; END;
Commit command	COMMIT;	A COMMIT command is used to persist the changes in the database.  The default terminator for a COMMIT command is semicolon (;).	START TRANSACTION; UPDATE BankAccounts SET Balance = Balance-200
	END // DELIMITER;		WHERE AccountName = 'Rose';  UPDATE BankAccounts
			<pre>SET Balance = Balance-300 WHERE AccountName = 'Rose';</pre>
			COMMIT; END //

A ROLLBACK command is used to rollback the transactions which are not saved in the database.

The default terminator for a ROLLBACK command is semicolon (;).

END // DELIMITER; DELIMITER //

BEGIN

COMMIT; END // DELIMITER;

CREATE PROCEDURE TRANSACTION\_ROSE()

DECLARE EXIT HANDLER FOR SQLEXCEPTION BEGIN ROLLBACK; RESIGNAL; END;

START TRANSACTION; UPDATE BankAccounts SET Balance = Balance-200 WHERE AccountName = 'Rose';

UPDATE BankAccounts
SET Balance = Balance-300
WHERE AccountName = 'Rose';

Author(s)

Rollback command



DELIMITER //

BEGIN

ROLLBACK;

COMMIT;

END //

DELIMITER;

CREATE PROCEDURE PROCEDURE\_NAME