Views

Topic	Syntax	Description	Example
Create View	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.	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 MySQL using phpMyAdmin

Stored Procedures	DELIMITER // CREATE PROCEDURE PROCEDURE_NAME BEGIN END // DELIMITER;	A stored procedure is a prepared SQL code that you can save, so the code can be reused over and over again. 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 //.	DELIMITER //CREATE PROCEDURE RETRIEVE_ALL() BEGIN SELECT * FROM PETSALE; END // DELIMITER;
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Transactions with MySQL

Commit command	COMMIT;	A COMMIT command is used to persist the changes in the database. The default terminator for a COMMIT command is semicolon (;).	CREATE TABLE employee(ID INT, Name VARCHAR(20), City VARCHAR(20), Salary INT, Age INT);START TRANSACTION; 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 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 (;).	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;" INSERT INTO employee VALUES (3, 'Swetha Tiwari', 'Kanpur', 38000, 38); SELECT *FROM employee; ROLLBACK; SELECT *FROM employee;

MySQL Transactions using Stored Procedure

Commit	DELIMITER // CREATE PROCEDURE PROCEDURE_NAME BEGIN COMMIT; END // DELIMITER;	A COMMIT command is used to persist the changes in the database. The default terminator for a COMMIT command is semicolon (;).	DELIMITER //CREATE PROCEDURE TRANSACTION_ROSE() BEGIN DECLARE EXIT HANDLER FOR SQLEXCEPTION BEGIN ROLLBACK; RESIGNAL; END; START TRANSACTION; UPDATE BankAccounts SET Balance = Balance- 200
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			WHERE AccountName = 'Rose'; UPDATE BankAccounts SET Balance = Balance- 300 WHERE AccountName = 'Rose'; COMMIT; END // DELIMITER;
Rollback command	DELIMITER // CREATE PROCEDURE PROCEDURE_NAME BEGIN ROLLBACK; COMMIT; END // DELIMITER;	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 (;).	DELIMITER //CREATE PROCEDURE TRANSACTION_ROSE() BEGIN 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'; COMMIT; END //

1.	Which of the following statements about 'views' in SQL is correct?
	A view can only represent data from a single table.
	A view is an independent copy of a single table's structure, including the data.
	O You cannot change data in the base tables through a view.
	When you define a view, only the definition of the view is stored, not the data that it represents.
	Correct! The data that the view represents remains stored in the base tables, not in the view itself.
	ich SQL statement below creates a view displaying job names and salary ranges for jobs where the salary age is between 50,000 and 100,000?
0	CREATE VIEW JobSalaryRanges(Job, StartingSalary, MaximumSalary)
	FROM JOBS
	WHERE MIN_SALARY > 50000 AND MAX_SALARY < 100000;
0	CREATE VIEW JobSalaryRanges(Job, StartingSalary, MaximumSalary)
	AS SELECT JOB_TITLE, MIN_SALARY, MAX_SALARY
	FROM JOBS
	WHERE SALARY > 50000 AND SALARY < 100000;
0	CREATE VIEW
	AS SELECT JOB_TITLE, MIN_SALARY, MAX_SALARY
	FROM JOBS
	WHERE MIN_SALARY > 50000 AND MAX_SALARY < 100000;
0	CREATE VIEW JobSalaryRanges(Job, StartingSalary, MaximumSalary)
	AS SELECT JOB_TITLE, MIN_SALARY, MAX_SALARY
	FROM JOBS
	WHERE MIN_SALARY >= 50000 AND MAX_SALARY <= 100000;
	Correct! This CREATE VIEW statement is correctly formed and contains a valid WHERE clause.

	Wh	ich of the following are benefits of 'stored procedures'?
	0	Reduction in network traffic
	•	All are valid benefits
		Correct! You can use stored procedures to gain all of these benefits.
	0	Improvement in performance
	0	Reuse of code
4.	Whic	h of the following parameters can a stored procedure use?
	0	nput parameters
	•	input and output parameters
		Correct! Stored procedures can use both input and output parameters.
	0	Output parameters