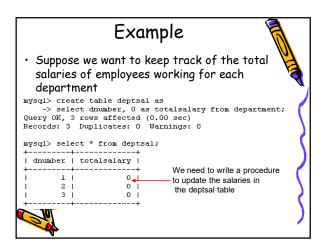
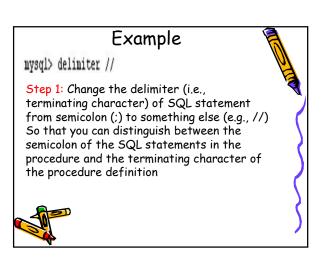
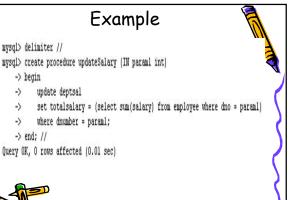
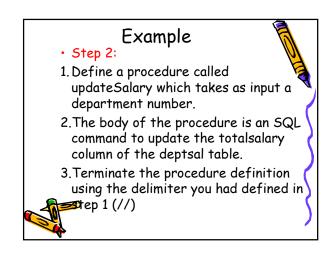


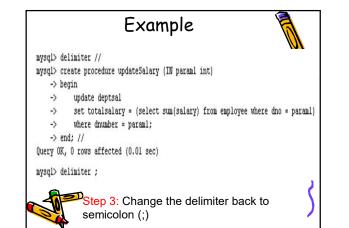
yysql> select * from employee; mysql> select * from 	T
id   name   superid   salary   bdate   dno     dnumber   dname 	iepartmen +
1   john   3   100000   1960-01-01   1   1   Payroll 2   mary   3   50000   1964-12-01   3   2   TechSuppo	ļ
	+
· · · · · · · · · · · · · · · · · · ·	t
3   bob   NULL   80000   1974-02-07   3     3   Research	
4   tom   1   50000   1978-01-17   2   +++	+
5   bill   NULL   NULL   1985-01-20   1	

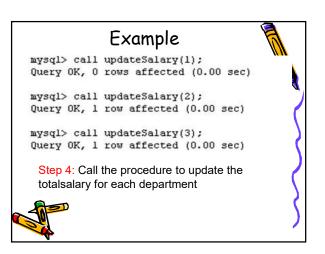


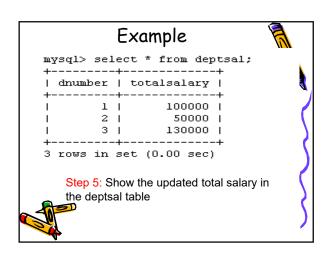


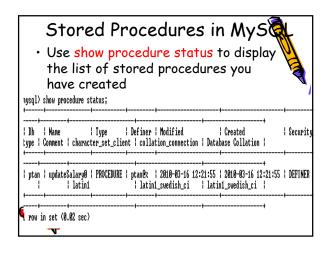


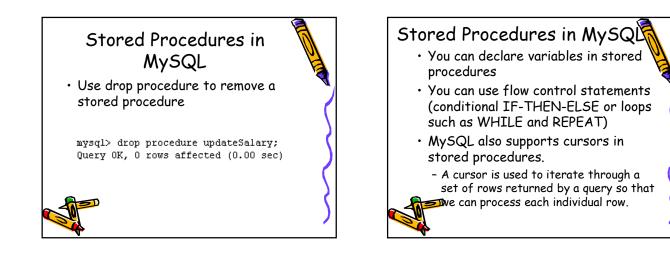


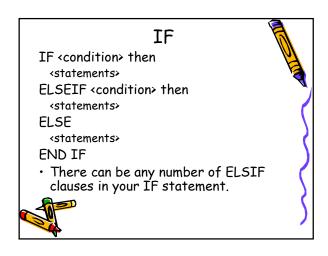


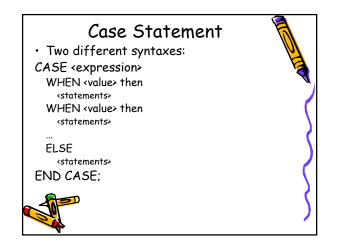


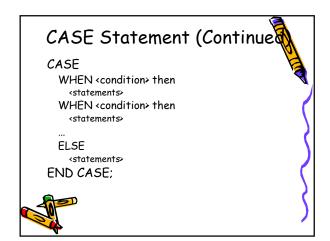


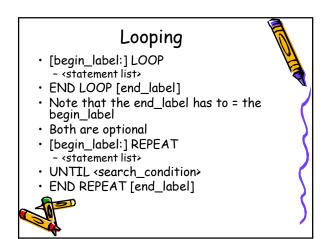


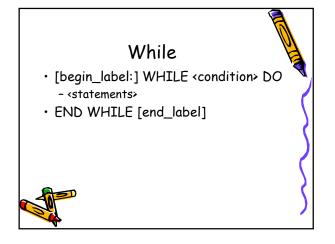




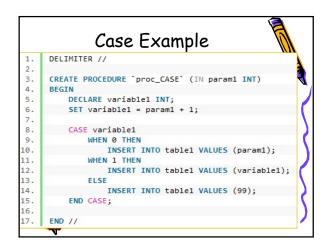




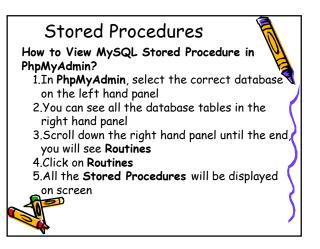


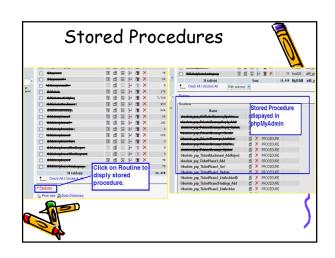


If Statement Example 🛚 🗍					
1.	DELIMITER //				
2.					
з.	CREATE PROCEDURE `proc_IF` (IN param1 INT				
4.	BEGIN				
5.	DECLARE variable1 INT;				
6.	<pre>SET variable1 = param1 + 1;</pre>				
7.					
8.	IF variable1 = 0 THEN				
9.	SELECT variable1;				
э.	END IF;				
1.					
2.	IF param1 = 0 THEN				
з.	SELECT 'Parameter value = 0';				
4.	ELSE				
5.	SELECT 'Parameter value <> 0';				
6.	END IF;				
7.	END //				



	While Example				
1.	DELIMITER //				
2.					
3. 4.	CREATE PROCEDURE `proc_WHILE` (IN param1 INT) BEGIN				
5.	DECLARE variable1, variable2 INT;				
6.	SET variable1 = 0;				
7.					
в.	WHILE variable1 < param1 DO				
9.	<pre>INSERT INTO table1 VALUES (param1);</pre>				
0.	SELECT COUNT(*) INTO variable2 FROM table1;				
1.	<pre>SET variable1 = variable1 + 1;</pre>				
2.	END WHILE;				
з.	END //				



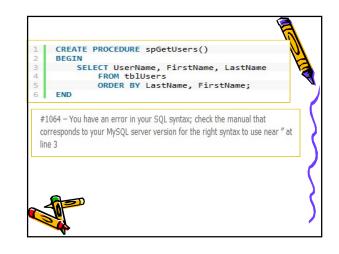


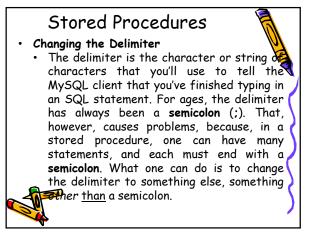
## Stored Procedures

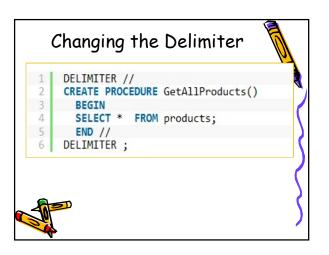
 Creating a MySQL Stored Procedure in PhpMyAdmin

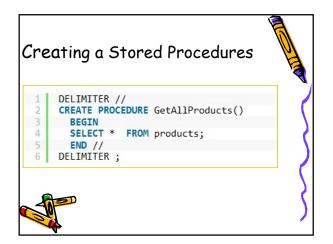
- Developers may have some issues creating a stored procedure in **phpMyAdmin**, which seems has issues supporting (or rather, not supporting) stored procedures, but there is a simple fix.
- First off, let's look at some attempted stored procedure code:

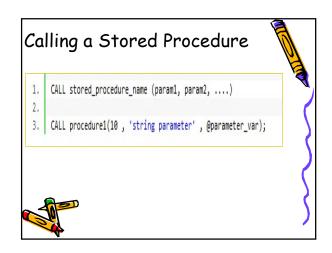
Pretty easy, right? But it causes this







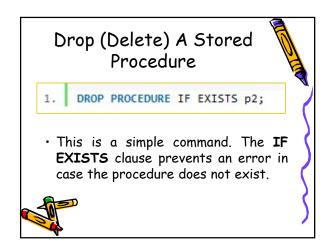




## Modify a Stored Procedure

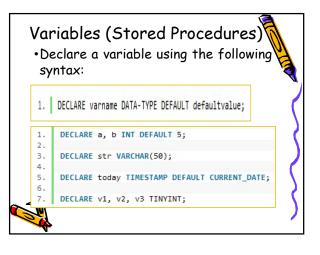
• MySQL provides an ALTER PROCEDURE statement to modify a routine, but only allows for the ability to change certain characteristics. If you need to alter the body or the parameters, you must **drop** and recreate the procedure



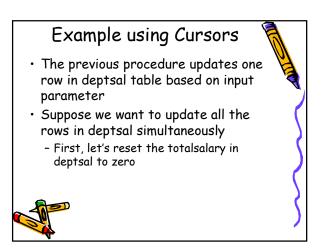


## Variables (Stored Procedures)

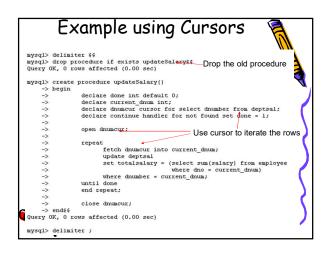
- The following step will teach you how to define variables, and store values inside a procedure.
- You must declare them explicitly at the start of the BEGIN/END block, along with their data types. Once you've declared a variable, you can use it anywhere that you could use a session variable, or literal, or column name.

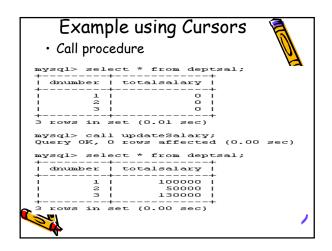


## Variables (Stored Procedure Working with Variables Once the variables have been declared, you can assign them values using the SET or SELECT command: DELIMITER // CREATE PROCEDURE `var\_proc` (IN paramstr VARCHAR(20)) з. 4 BEGIN DECLARE a, b INT DEFAULT 5; DECLARE str VARCHAR(50); DECLARE today TIMESTAMP DEFAULT CURRENT\_DATE; 6.7. 8. DECLARE v1, v2, v3 TINYINT; INSERT INTO table1 VALUES (a); 10. 11. SET str = 'I am a string'; SELECT CONCAT(str,paramstr), today FROM table2 WHERE b >=5; 12. END //



Example using Cursors	
mysql> update deptsal set totalsalary = 0; Query OK, O rows affected (0.00 sec) Rows matched: 3 Changed: 0 Warnings: 0	
mysql> select * from deptsal; ++   dnumber   totalsalary	Ş
	)
I 2 I 0 I I 3 I 0 I	5
++ 3 rows in set (0.00 sec)	S





( 11.1	<b>1  </b> ysq1	e >	mploye		;		/e a raise	:	to V
			name	superid	salary			1	dno
+-	1	+	john	+ I 3		+. 	1960-01-01	+	1
L	2	L	mary	3	50000	L	1964-12-01	L	3
L	3	L	bob	NULL	80000	L	1974-02-07	L	3
L	4	L	tom	1	50000	L	1978-01-17	I	2
L	5	L	bill	NULL	NULL	L	1985-01-20	L	1
L	6	L	lucy	NULL	90000	L	1981-01-01	L	1
I	- 7	I	george	NULL	45000	L	1971-11-11	I	NULL
+ 7	rou	+ 13	in set	+ (0.00 sec)	+	+.		+	

	Another Example	
mysql>	delimiter	
mysql>	create procedure giveRaise (in amount double)	
->	begin	
->	declare done int default 0;	
->	declare eid int;	1
->	declare sal int;	
->	declare emprec cursor for select id, salary from employee;	· ·
->	declare continue handler for not found set done = 1;	
->		
->	open emprec;	
->	repeat	
->	fetch emprec into eid, sal;	
->	update employee	
->	set salary = sal + round(sal * amount)	
->	where id = eid;	
->	until done	
->	end repeat;	
->	end	
🔁 Query (	DK, O rows affected (0.00 sec)	
		1

A mysql> delimi: mysql> call g: Query OK, 0 r mysql> select	iveRaise(O ows affect * from em	.1); ed (0.00 ployee;	sec)		
id   name	superid	salary		+   dno	
1   john     2   mary     3   bob     4   tom     5   bill	3   3   NULL   1   NULL	110000 55000 88000 55000 NULL	1960-01-01   1964-12-01   1974-02-07   1978-01-17   1985-01-20	1   3   3   2   1	

4/3/2020

