

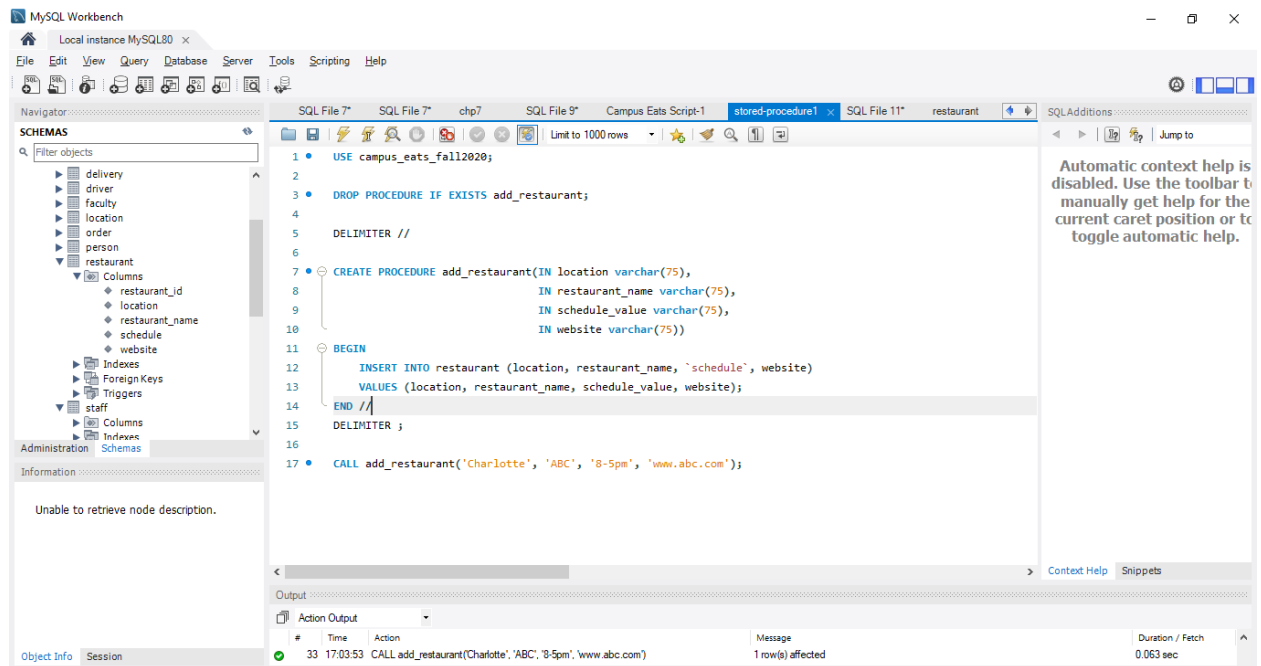
HW: Writing Stored Procedures

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1. Name of Stored Procedure: add_restaurant

Purpose: To add new restaurants to the database

Code:



The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane shows a tree view of databases, with 'restaurant' selected. The main editor shows the following SQL code:

```
1 USE campus_eats_fall2020;
2
3 DROP PROCEDURE IF EXISTS add_restaurant;
4
5 DELIMITER //
6
7 CREATE PROCEDURE add_restaurant(IN location varchar(75),
8                                IN restaurant_name varchar(75),
9                                IN schedule_value varchar(75),
10                               IN website varchar(75))
11 BEGIN
12     INSERT INTO restaurant (location, restaurant_name, `schedule`, website)
13     VALUES (location, restaurant_name, schedule_value, website);
14 END //
15 DELIMITER ;
16
17 CALL add_restaurant('Charlotte', 'ABC', '8-5pm', 'www.abc.com');
```

Below the code editor, the 'Output' pane shows the execution results:

#	Time	Action	Message	Duration / Fetch
33	17:03:53	CALL add_restaurant('Charlotte', 'ABC', '8-5pm', 'www.abc.com')	1 row(s) affected	0.063 sec

Result:

Result Grid					
Filter Rows:					
Edit: Export/Import: Wrap Cell Content:					
	restaurant_id	location	restaurant_name	schedule	website
	93	72392 Hahn Station Apt. 674 ...	Price-Reinger	11am - 11pm	http://stoltenbergmohr.biz/
	94	9329 Vesta Harbors Suite 849 ...	Boehm, White and Kilback	9am -10pm	http://www.hilljohnson.com/
	95	30248 Eichmann Street Suite 1...	Conroy-O'Keefe	10am - 9pm	http://hermiston.org/
	96	1070 Green Forks Selenaland, ...	Wiegand LLC	9am -10pm	http://www.streich.com/
	97	20073 Clyde Ways Suite 898 ...	Donnelly and Sons	10am - 9pm	http://cummings.net/
	98	215 Altenwerth Mall Apt. 621 ...	McDermott, Senger and Ferry	10am - 9pm	http://www.collins.net/
	99	1105 Liza Shores Apt. 158 Her...	Grimes-Lakin	9am -10pm	http://terry.net/
	100	88626 Louvenia Fork Lake Max...	Mertz Ltd	9am -10pm	http://ortiz.com/
	101	Charlotte	ABC	8-5pm	www.abc.com

2. Name of Stored Procedure: add_vehicle

Purpose: To add a new vehicle to the database.

Code:

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with the 'vehicle' database selected. The main editor window shows the following SQL code:

```
1 USE campus_eats_fall2020;
2
3 DROP PROCEDURE IF EXISTS add_vehicle;
4
5 DELIMITER //
6
7 CREATE PROCEDURE add_vehicle(IN vehicle_plate varchar(75),
8                               IN model varchar(75),
9                               IN make varchar(75))
10 BEGIN
11     INSERT INTO vehicle (vehicle_plate, model, make)
12     VALUES (vehicle_plate, model, make);
13 END //
14 DELIMITER ;
15
16 CALL add_vehicle('XYZ', 'test', 'test');
```

The bottom status bar shows the execution results:

#	Time	Action	Message	Duration / Fetch
38	17:10:34	CALL add_vehicle('XYZ', 'test', 'test')	1 row(s) affected	0.047 sec

Result:

Result Grid				
Filter Rows:				
	vehicle_id	vehicle_plate	model	make
	15	2767	d	Bugatti
	16	4184	j	Mercedes
	17	6489	l	BMW
	18	4260	j	Audi
	19	6455	d	Mercedes
	20	7009	q	Toyota
	21	XYZ	test	test
	NULL	NULL	NULL	NULL

vehicle 1 x