# SE 3309 Assignment 3

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https://github.com/bcdicicco/se3309assignment3.git

## Question 2:

## ingredients

Field	Туре	Null	Key	Default	Extra
inaredientNo	int(11)	NO	PRI	NULL	
ingredientName	varchar(30)	YES		NULL	
dateOfPurchase	date	YES		NULL	
dateOfExpirv	date	YES		NULL	
cost	double	YES		NULL	
quantity	int(11)	YES		NULL	
supplierNo	int(11)	NO	MUL	NULL	

### menureference

Field	Type	Null	Key	Default	Extra
menuNo	int(11)	NO	PRI	NULL	
inaredientNo	int(11)	NO	PRI	NULL	

## inventory

	Field	Type	Null	Key	Default	Extra
	inventorvNo	int(11)	NO	PRI	NULL	
	inventorvName	varchar(30)	YES		NULL	
	quantity	int(11)	YES		NULL	
	cost	double	YES		NULL	
_	invSupplier	int(11)	NO	MUL	NULL	

#### orderreferencemenu

Field	Type	Null	Key	Default	Extra
orderNo	int(11)	NO	PRI	NULL	
menuNo	int(11)	NO	PRI	NULL	

### restaurantorder

Field	Type	Null	Key	Default	Extra
OrderNo	int(11)	NO	PRI	NULL	
orderTime	time(6)	YES		NULL	
orderDate	e date	YES		NULL	

#### menuitem

Field	Type	Null	Key	Default	Extra
menuNo	int(11)	NO	PRI	NULL	
menuName	varchar(30)	YES		NULL	
cost	double	YES		NULL	
price	double	YES		NULL	

## supplier

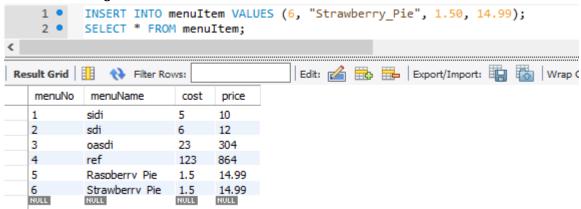
Field	Type	Null	Key	Default	Extra
supplier	No int(11)	NO	PKI	NULL	
suppliert	Name varchar(3	30) YES		NULL	
address	varchar(7	70) YES		NULL	
phoneNo	char(10)	YES		NULL	

## orderreferenceinventory

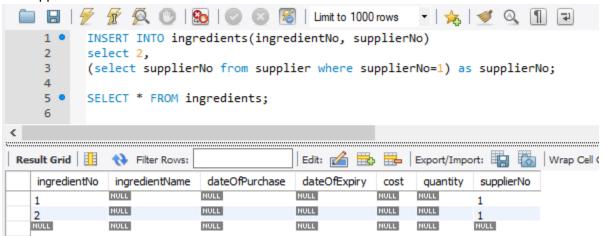
	Field	Type	Null	Key	Default	Extra	
	orderNo	int(11)	NO	PRI			
J	inventorvNo	int(11)	NO	PRI	NULL		

### Question 3:

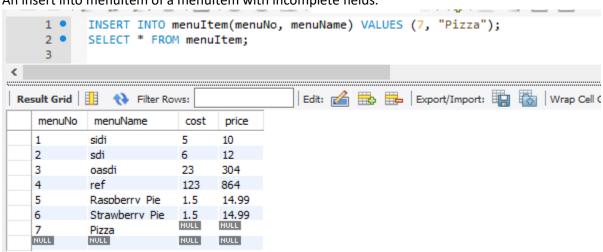
An insert of a single menultem into menultem.



An insert into ingredients of an ingredient with ingredientNo = 2, and the supplierNo taken from the supplier table.



An insert into menultem of a menultem with incomplete fields.



# Question 4:

# Example data in ingredients

ingredientNo	ingredientName	dateOfPurchase	dateOfExpiry	cost	quantity	supplierNo
1	NULL	NULL	NULL	NULL	NULL	1
2	NULL	NULL	NULL	NULL	NULL	1
3	Desert Evenina Primrose	2017-06-18	2018-10-20	1.46	60	17
4	Shocklev's Goldenhead	2017-06-05	2018-08-09	5.28	100	8
5	Hairv Flatsedge	2017-04-30	2018-04-29	6.5	7_100	22
6	Nipplefruit	2017-02-27	2018-04-29	10.3	85	22
7	Waianae Range Nehe	2017-09-14	2018-02-08	9.62	94	3
8	Pin Cherry	2017-08-03	2018-09-04	15.27	36	7
9	Jenny's Stonecrop	2017-01-23	2018-08-27	6.99	28	20
10	Ovsterleaf	2017-06-14	2018-02-19	6.51	31	7
NULL	NULL	NULL	NULL	NULL	NULL	NULL

## Example data in inventory

inventoryNo	inventoryName	quantity	cost	invSupplier
1	Oweawazmdvauvz	95	211.08	7
2	Foxvtmixabnovt	21	179.38	10
3	Niztvwlrprtbcu	96	319.04	3
4	Zxvkwwmwcdavbi	3	493.39	13
5	Mmihvmvhlevokn	91	109.95	4
6	Dkazilirlhdzla	53	284.64	5
7	Sbxctnnppidida	68	166.61	18
8	Tlsoddvaboriea	11	46.72	2
9	Oobvotrlkkefdc	18	229.35	9
10	Rbsvstznxetvcp	65	418.64	8
NULL	NULL	NULL	NULL	NULL

## Example data in menultem

menuN	o menuName	cost	price
1	sidi	5	10
2	sdi	6	12
3	oasdi	23	304
4	ref	123	864
5	Raspberry Pie	1.5	14.99
6	Strawberry Pie	1.5	14.99
7	Pizza	NULL	NULL
8	Ofctrsuhplnakv	2.28	15
9	Ovatlxroczotzf	6.58	32
10	Nwligyndanaihi	9	24
NULL	NULL	NULL	NULL

# Example data in menureference

menuNo	ingredientNo
5	4
10	4
5	6
6	6
5	8
7	8
5	23
8	23
5	25
9	25
NULL	NULL

# Example data in restaurantorder

OrderNo	orderTime	orderDate
1	NULL	NULL
2	NULL	NULL
3	22:59:49.000000	2017-11-06
4	10:58:13.000000	2017-09-26
5	22:27:06.000000	2017-04-07
6	16:18:26.000000	2017-10-02
7	00:15:42.000000	2017-01-25
8	15:26:58.000000	2017-05-10
9	07:03:42.000000	2017-08-02
10	17:19:25.000000	2017-11-13
NULL	NULL	NULL

## Example data in orderreferenceinventory

Example data in orderrerer					
	orderNo	inventoryNo			
	3	32			
	3	33			
	4	38			
	4	39			
	5	30			
	6	31			
	7	23			
	8	26			
	9	26			
	10	11			
	10	30			
	10	32			

# Example data in orderreferencemenu

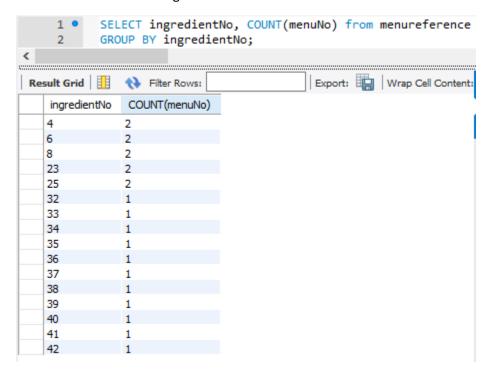
orderNo	menuNo
1	1
1	2
1	3
2	1
2	2
2	4
3	32
3	33
4	38
4	39
5	30
6	31

## Example data in supplier

 	-   -   -		
supplierNo	supplierName	address	phoneNo
1	foodPlace	123 Food Street	5191234567
2	dsd	1203982930 dsiiad	1234567891
3	Devooint	98179 Nevada Wav	6892915255
4	Bluezoom	66747 Blaine Lane	3626891547
5	Feedfish	192 Lake View Drive	2046628730
6	Avamm	14 Village Place	5375516197
7	Jabberbean	64655 Marvland Circle	6847270721
8	Edaedub	504 Annamark Junction	6913730882
9	Centizu	56154 Knutson Allev	8175361924
10	Twitterbeat	62 Main Circle	9121296296
NULL	NULL	NULL	NULL

### Question 5:

The number of times an ingredient is used in a menu item.



Ingredients sorted by soonest expiry date.

ingredientNo	ingredientName	dateOfExpiry	
1	NULL	NULL	
2	NULL	NULL	
14	Yankeeweed	2017-11-29	
160	Smallstamen Viper's Bugloss	2017-11-30	
360	Basketorass	2017-11-30	
404	Water-starwort	2017-12-02	
573	Purpleflower Pinkroot	2017-12-02	
412	Hvbrid Oak	2017-12-03	
456	American Pokeweed	2017-12-03	
897	Shrubby Primrose-willow	2017-12-03	
949	Lanceleaf Tickseed	2017-12-03	
142	Calabash Nutmea	2017-12-04	
305	Great Ragweed	2017-12-04	

# Menu items sorted by their profit.

menuNo	menuName	profit
4	ref	741
3	oasdi	281
102	Anuocvbxatxaox	38.45
115	Vraezizduwavko	38.23
74	Gvfsorkplawfvn	37.59
141	Znawwlfuvaazsl	37.35
31	Piknxiauasdrvs	37.14
117	Tanmncvwvurznr	35.87
205	Fdnnsemzaahwvz	35.87
156	Usdbvlaekitani	35.48
113	Trarvaaxivmvad	35.47
197	Iobzpaihihccdu	35.36

# The cost of every order.

orderNo	orderTime	orderDate	subtotal	tax	total
1	NULL	NULL	326	42.38	368.38
2	NULL	NULL	886	115.18	1001.1800000000001
3	22:59:49.000000	2017-11-06	25	3.25	28.25
4	10:58:13.000000	2017-09-26	45	5.85	50.85
5	22:27:06.000000	2017-04-07	17	2.21	19.21
6	16:18:26.000000	2017-10-02	40	5.2	45.2
7	00:15:42.000000	2017-01-25	36	4.68	40.68
8	15:26:58.000000	2017-05-10	17	2.21	19.21
9	07:03:42.000000	2017-08-02	17	2.21	19.21
10	17:19:25.000000	2017-11-13	54	7.02	61.01999999999996
11	19:31:21.000000	2017-08-07	40.99	5.328	46.3187
12	02:35:46.000000	2017-07-27	NULL	NULL	NULL
13	11:32:11.000000	2017-03-22	32	4.16	36.16
14	20:26:34.000000	2017-02-21	14.99	1.9487	16.9387

The number of orders placed between a time period.

	orders_between_time
ı	56

Orders that have menu items with orderNo > 5.

orderNo	menuNo
6	31
7	23
8	26
9	26
10	11
10	30
10	37
11	6

### Question 6:

## Response to update restaurant order query

5 | 16:28:28 | update restaurantorder set orderTime = "12:39:32", orderDate = "2017-11-05" where orderN... | 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0

## Response to delete menultem query

- 0 10 16:36:33 delete from orderreferencemenu where menuNo in ( select menuitem.menuNo from menuitem... 1 row(s) affected
- 2 13 16:37:11 delete from menureference where menuNo in ( select menuitem.menuNo from menuitem wher... 5 row(s) affected
- **⊘** 14 16:37:11 delete from menultem where menuNo = 5 1 row(s) affected

## Response to update menultem query

7 16:32:43 update menuitem set price = cost \* 3

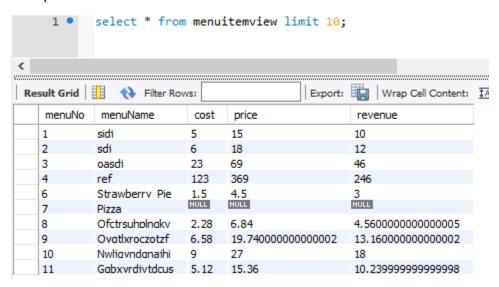
206 row(s) affected Rows matched: 207 Changed: 206 Warnings: 0

#### **Question 7:**

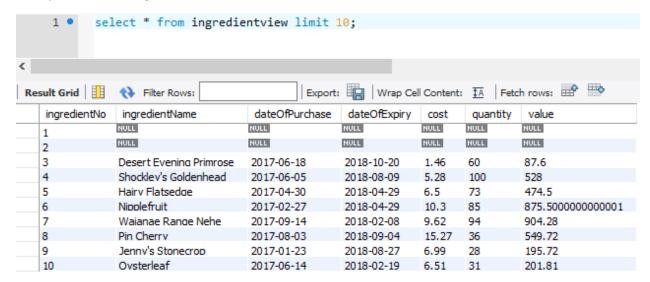
#### Create view responses

- 21 16:42:53 CREATE VIEW inventoryView AS SELECT inventoryNo, inventoryName, cost, quantity, (qua... 0 row(s) affected
- 20 16:42:30 CREATE VIEW ingredient View AS SELECT ingredient No, ingredient Name, date Of Purchase,... 0 row(s) affected
- 2 19 16:41:53 CREATE VIEW menultem View AS SELECT menuNo, menuName, cost, price, (price cost) ... 0 row(s) affected

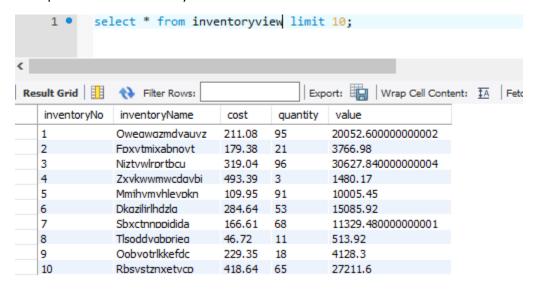
#### Example data from menuitemview



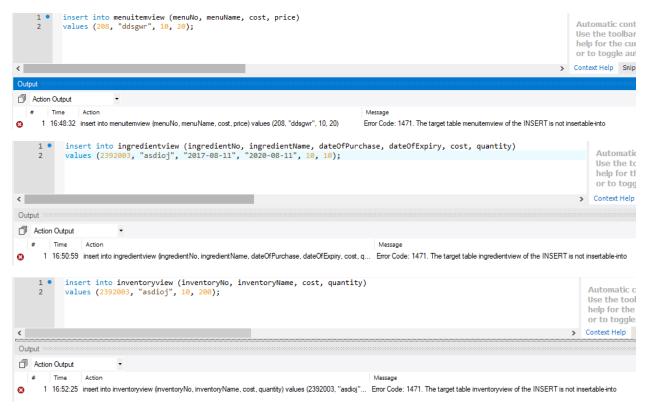
#### Example data from ingredientview



#### Example data from inventoryview



#### Responses to attempted updates.



None of the updates worked because the views have derived attributes.

# Question 8:

No, every SQL clause that we learned from class that we tried to use worked.