

Spicy Kich Database

PART 7 CHRISTOPHER ZAMORA



Overview of Companies - CVS

- ▶ CVS Health Corporation
 - ▶ Retail pharmacy and health care company
 - ▶ Previously CVS Caremark Corporation
- ▶ Company originated in Rhode Island in 1964
- ▶ Assets of CVS Health Corporation
 - ▶ CVS Pharmacy
 - ▶ CVS Caremark
 - ▶ CVS Specialty
 - ▶ MinuteClinic



CVS Currently

- ▶ Locations
 - ▶ 9,800 retail locations in 49 states
 - ▶ 1,100 MinuteClinic locations
- ▶ Problem
 - ▶ They have multiple departments/assets
 - ▶ Need to be able to connect them
 - ▶ Do not want more than one customer listed



Spicy Kich

- ▶ Spicy Kich
 - ▶ African restaurant located in downtown DeKalb
 - ▶ First of its kind
 - ▶ Offers
 - ▶ 20 Plates from Akara to Ugali
 - ▶ 20 Beverages (includes alcoholic and sodas)
 - ▶ Introducing African culture to DeKalb.



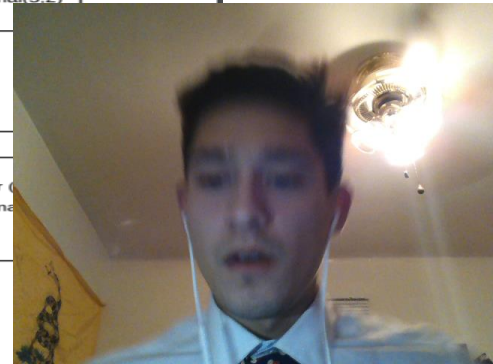
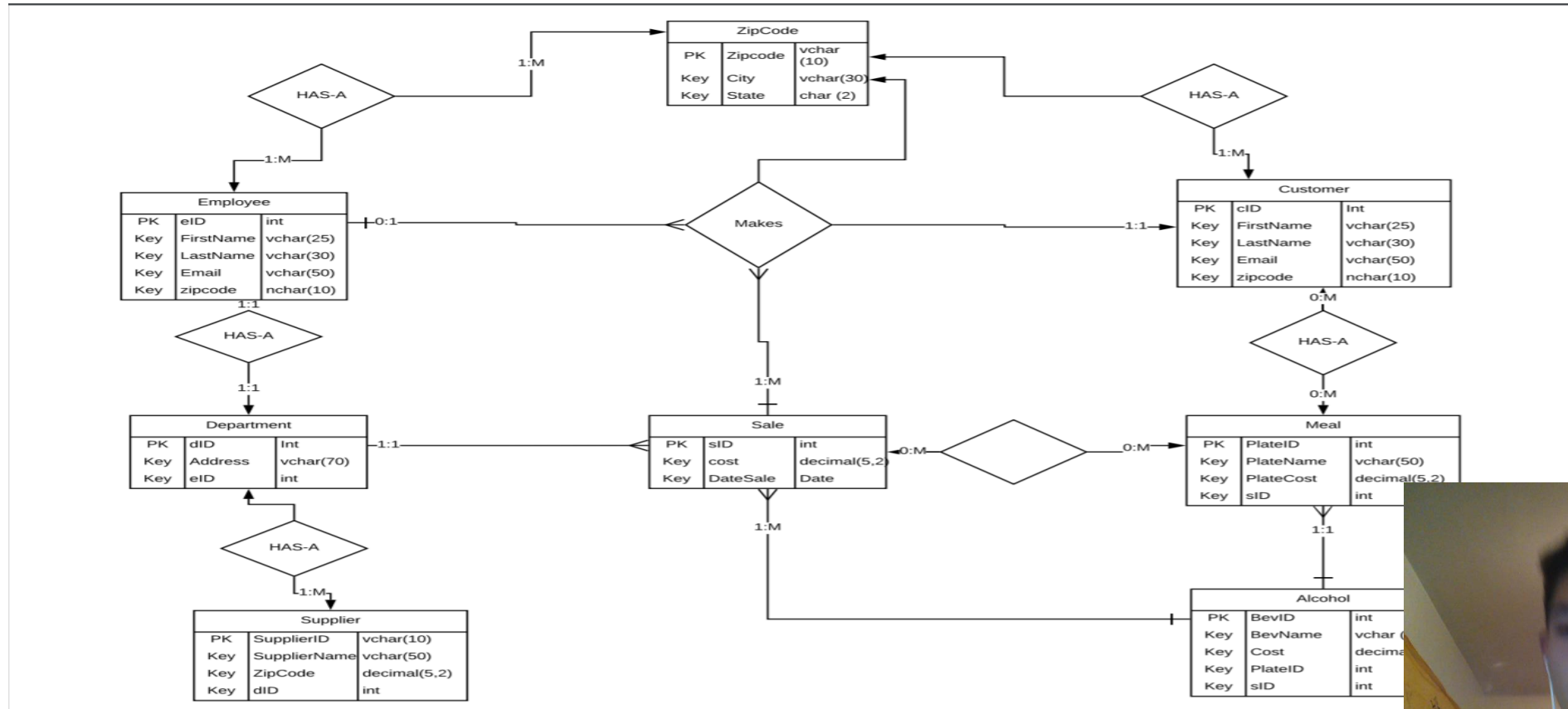
Spicy Kich Database

► Tables

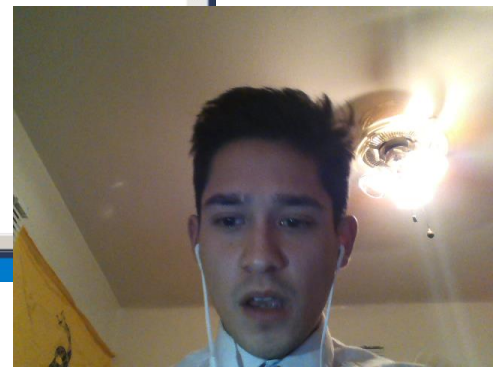
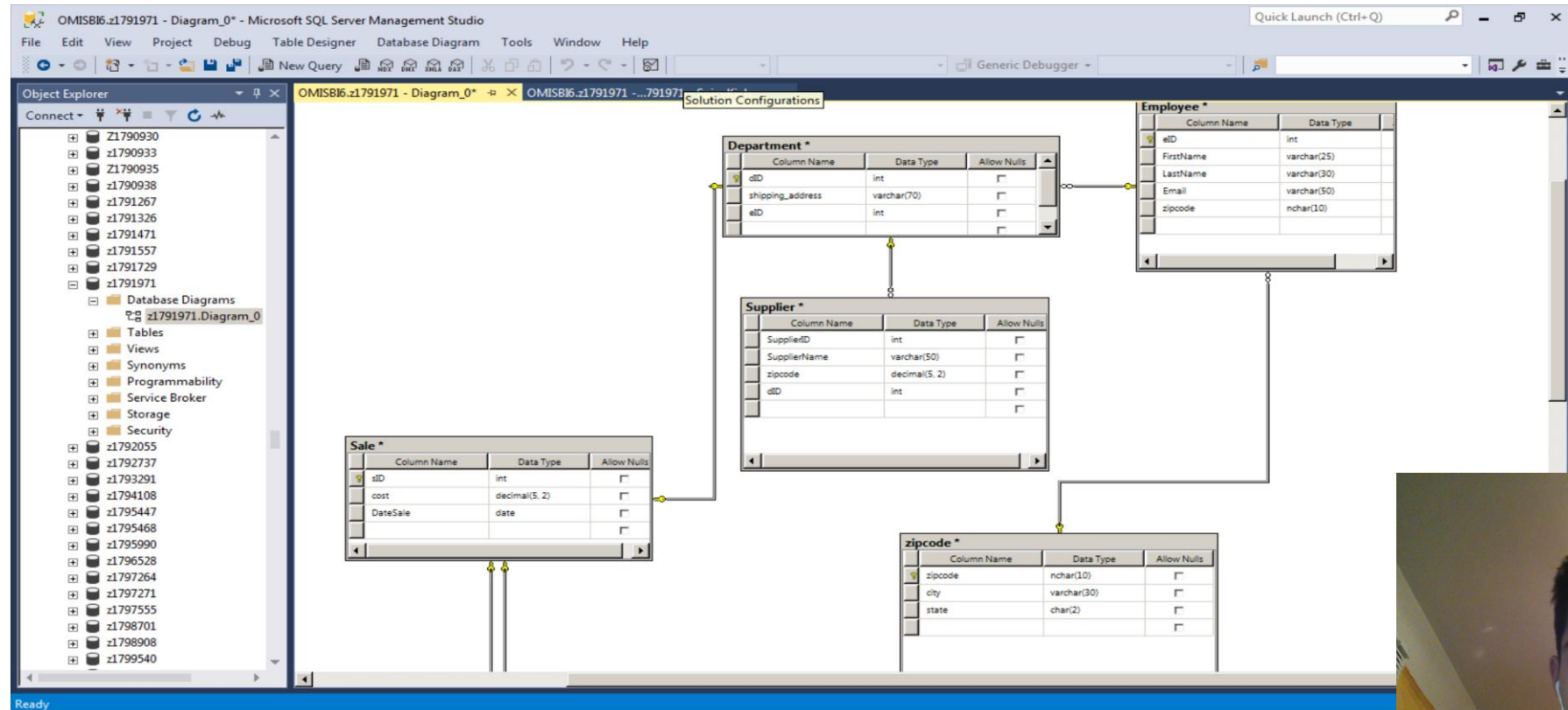
- Alcohol
- Customer
- Department
- Employee
- Meal
- Sale
- Supplier
- Zipcode



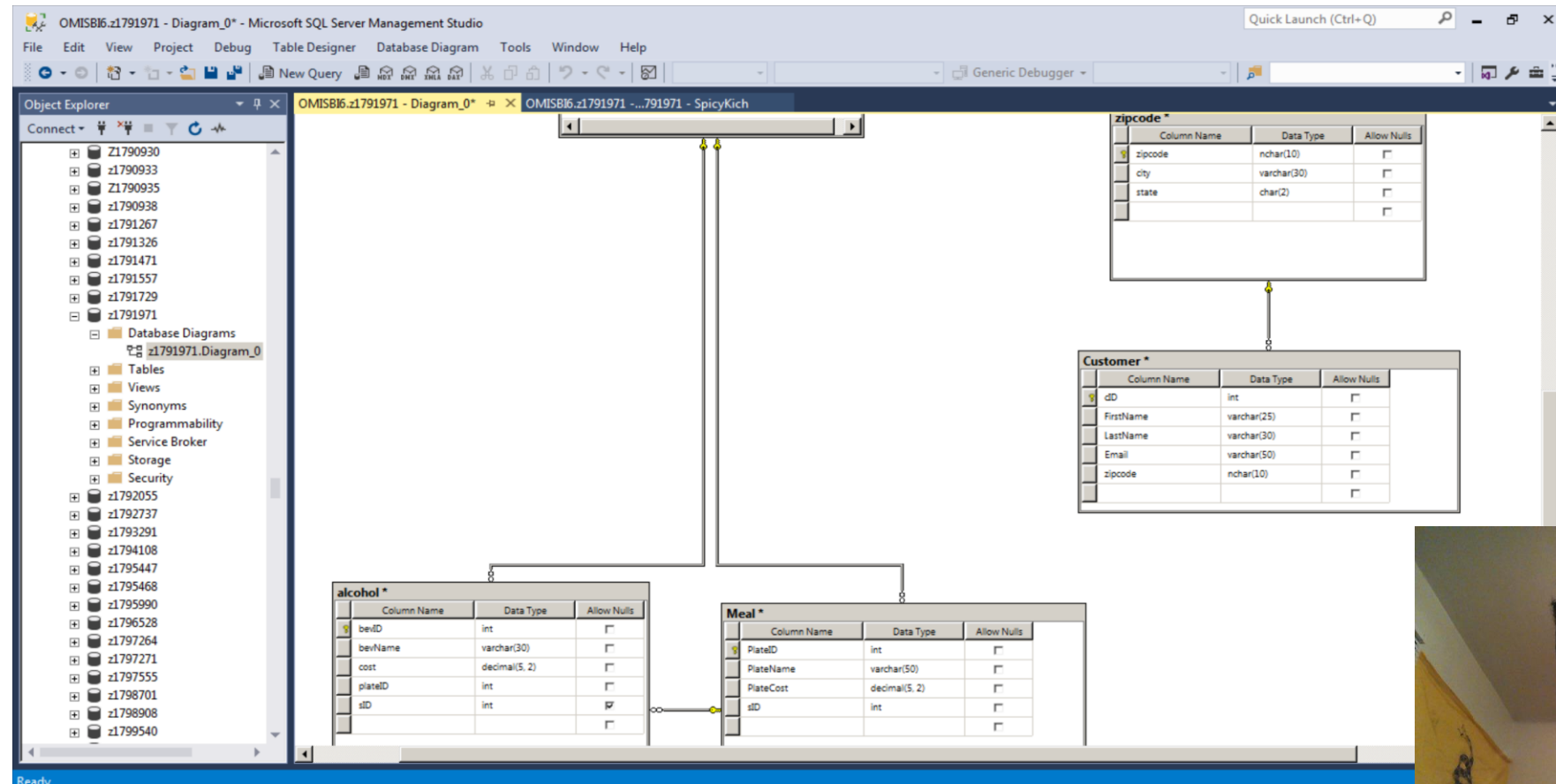
Relationships



SQL Database part 1



SQL Database part 2



Spicy Kich Problem

- ▶ Spicy Kich needed a database that contained information about the customer
 - ▶ Use this to understand customer trends
 - ▶ Use this to gather data and information.
- ▶ Needed to connect departments
- ▶ Needed to connect the employees to the database as well.
- ▶ Business was projected to grow.
 - ▶ Implement now.



Struggles

- ▶ SQL
 - ▶ Figuring out the right queries.
 - ▶ Sometimes the display was not correct.
- ▶ Information that he gave
 - ▶ Gave limited departments
 - ▶ Gave limited data on employees (15)
- ▶ Creating a database for a restaurant that did not exist
- ▶ ER Diagram and cardinalities



Struggles Cont'd

- ▶ Tables
 - ▶ Connecting tables and making sure the foreign keys and the primary keys were correct.
 - ▶ Being able to connect all the tables to one diagram.



Successes

- ▶ Created a database for Spicy Kich that integrated all of the data and transformed it into information.
- ▶ Executing successful queries that had meaning behind them.
- ▶ Whether it was a simple query

SQLQuery3.sql - omisb6.z1791971 (NIUNT\Z1791971 (156)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to z1791971. Database Diagrams: z1791971.Diagram_0. Tables: System Tables, FileTables, dbo.Alcohol, dbo.Customer, dbo.Department, dbo.employee, dbo.Meal, dbo.Sale, dbo.student1, dbo.Supplier, dbo.zip1, dbo.zipcode. Views: Synonyms, Programmability, Service Broker, Storage, Security.

Query: `select FirstName, LastName, email, zipcode from employee where (zipcode <> ('60115-1111')) OR (zipcode <> ('60178-5555'));`

Results:

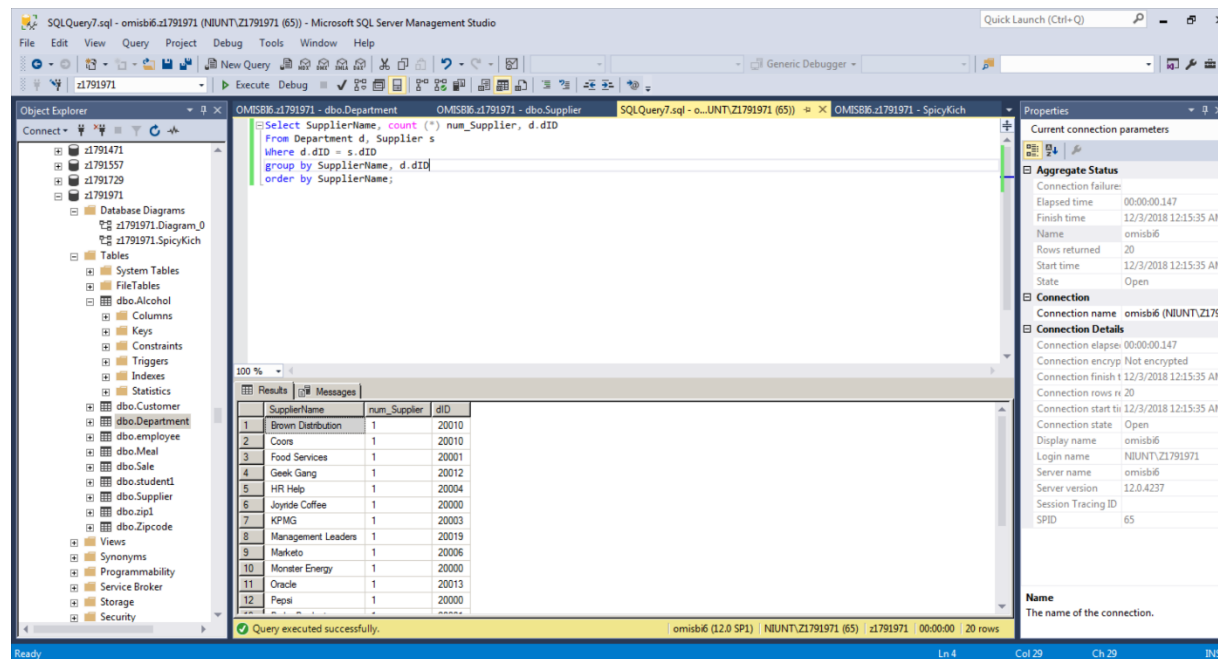
	FirstName	LastName	email	zipcode
1	Karen	Rodriguez	krod@spicy.com	53110-5042
2	Sean	Johnson	sjohn@spicy.com	60007-4589
3	Tom	Brady	tbrady@spicy.com	60010-6445
4	Carlos	Ribeiro	crbeiro@spicy.com	60030-1234
5	Francesca	Mango	fmango@spicy.com	60031-0183
6	Kyle	Mendoza	kmendoza@spicy.com	60050-4782
7	Jacob	Rutkowski	jrutkowski@spicy.com	60073-9008
8	Jacob	Dzeko	jdzeko@spicy.com	60079-8361
9	Kathleen	Juice	kjuice@spicy.com	60115-1111
10	Ola	Ivobi	olivobi@spicy.com	60115-1111
11	Cray	On	con@spicy.com	60120-5673
12	Michelle	Mbappe	mmbappe@spicy.com	60120-5673

Properties: Current connection parameters. Aggregate Status: Connection failure: 00:00:00.156, Elapsed time: 00:00:00.156, Finish time: 12/2/2018 9:15:21 PM, Name: omisb6, Rows returned: 20, Start time: 12/2/2018 9:15:21 PM, State: Open. Connection Details: Connection name: omisb6 (NIUNT\Z1791971), Connection elapsed: 00:00:00.156, Connection encrypt: Not encrypted, Connection finish: 12/2/2018 9:15:21 PM, Connection rows: 20, Connection start: 12/2/2018 9:15:21 PM, Connection state: Open, Display name: omisb6, Login name: NIUNT\Z1791971, Server name: omisb6, Server version: 12.0.4237, Session Tracing ID: SPID: 156. Name: The name of the connection.



Successes Cont'd

- Or a more complex one in my eyes



The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The central pane shows a SQL query executed successfully:

```
Select SupplierName, count (*) num_Supplier, d.dID  
From Department d, Supplier s  
Where d.dID = s.dID  
group by SupplierName, d.dID  
order by SupplierName;
```

The Results pane shows the following data:

	SupplierName	num_Supplier	dID
1	Brown Distribution	1	20010
2	Coors	1	20010
3	Food Services	1	20001
4	Geek Gang	1	20012
5	HR Help	1	20004
6	Joynde Coffee	1	20000
7	KPMG	1	20003
8	Management Leaders	1	20019
9	Marketo	1	20006
10	Monster Energy	1	20000
11	Oracle	1	20013
12	Pepsi	1	20000

The Properties pane on the right shows connection details for the 'omisb6' connection.

Current connection parameters

- Aggregate Status
 - Connection failure:
 - Elapsed time: 00:00:00.147
 - Finish time: 12/3/2018 12:15:35 AM
 - Name: omisb6
 - Rows returned: 20
 - Start time: 12/3/2018 12:15:35 AM
 - State: Open
- Connection
 - Connection name: omisb6 (NIUNT\Z1791971)
- Connection Details
 - Connection elapsed: 00:00:00.147
 - Connection encrypt: Not encrypted
 - Connection finish t: 12/3/2018 12:15:35 AM
 - Connection rows r: 20
 - Connection start ts: 12/3/2018 12:15:35 AM
 - Connection state: Open
 - Display name: omisb6
 - Login name: NIUNT\Z1791971
 - Server name: omisb6
 - Server version: 12.0.4237
 - Session Tracing ID: SPID
 - SPID: 65
- Name
 - The name of the connection.



Lessons Learned

- ▶ Data Manipulation
 - ▶ Delete, Insert, Update
- ▶ Cardinalities
- ▶ Queries
- ▶ Determine the problem
 - ▶ Fix it

