

1. CREATE VIEW MenuItem_v AS

SELECT m.menuType, mi.name, price, (SELECT spice FROM Spices WHERE mi.spiceAbbr = Spices.spiceAbbr) AS SpiceLevel FROM MenuMI menMI

INNER JOIN MenuItem mi ON mi.MenuItemID = menMI.MenuItemID

INNER JOIN Menu m ON m.MenuID = menMI.MenuID;

menuType	name	price	SpiceLevel	menuType	name	price	SpiceLevel
Evening	Hot and Sour Soup	12.99	Tangy	Lunch	Teriyaki Salmon	9.99	Mild
Evening	Chow Mein	13.99	Piquant	Lunch	Coconut Shrimp	14.99	Hot
Evening	Spring Roll	15.99	Mild	Lunch	Honey Walnut Shrimp	14.99	Tangy
Evening	Fried Rice	14.99	Mild	Lunch	Teriyaki Chicken	10.99	Mild
Evening	Fried Tofu	17.99	Piquant	Lunch	Chinese Omelette	11.99	Mild
Evening	Orange Chicken	12.99	Tangy	Lunch	Seafood Chow Mein	12.99	Tangy
Evening	Beef & Broccoli	14.99	Mild	Lunch	Chicken Chow Mein	13.99	Piquant
Evening	Crispy Orange Beef	10.99	Tangy	Lunch	General Tsao's Chicken	13.99	Oh My God
Evening	Barbecue Pork	10.99	Oh My God	Lunch	Classic Special	12.99	Hot
Evening	Sweet and Sour Chicken	12.99	Tangy	Lunch	Chicken Chop Suey	10.99	Piquant
Evening	Wonton Soup	16.99	Hot	Lunch	Pork Chop Suey	11.99	Piquant
Evening	Lo Mein	14.99	Mild	Sunday B...	Hot and Sour Soup	0.00	Tangy
Evening	Ginger Salmon	12.99	Tangy	Sunday B...	Chow Mein	0.00	Piquant
Evening	Teriyaki Salmon	13.99	Mild	Sunday B...	Spring Roll	0.00	Mild
Evening	Coconut Shrimp	16.99	Hot	Sunday B...	Fried Rice	0.00	Mild
Evening	Honey Walnut Shrimp	17.99	Tangy	Sunday B...	Fried Tofu	0.00	Piquant
Evening	Teriyaki Chicken	12.99	Mild	Sunday B...	Orange Chicken	0.00	Tangy
Evening	Chinese Omelette	13.99	Mild	Sunday B...	Beef & Broccoli	0.00	Mild
Evening	Seafood Chow Mein	14.99	Tangy	Sunday B...	Crispy Orange Beef	0.00	Tangy
Evening	Chicken Chow Mein	15.99	Piquant	Sunday B...	Barbecue Pork	0.00	Oh My God
Evening	General Tsao's Chicken	15.99	Oh My God	Sunday B...	Sweet and Sour Chicken	0.00	Tangy
Evening	Classic Special	14.99	Hot	Sunday B...	Wonton Soup	0.00	Hot
Evening	Chicken Chop Suey	13.99	Piquant	Sunday B...	Lo Mein	0.00	Mild
Evening	Pork Chop Suey	14.99	Piquant	Sunday B...	Ginger Salmon	0.00	Tangy
Lunch	Dim Sum	10.99	Mild	Sunday B...	Teriyaki Salmon	0.00	Mild
Lunch	Hot and Sour Soup	12.99	Tangy	Sunday B...	Coconut Shrimp	0.00	Hot
Lunch	Chow Mein	13.99	Piquant	Sunday B...	Honey Walnut Shrimp	0.00	Tangy
Lunch	Spring Roll	12.99	Mild	Sunday B...	Teriyaki Chicken	0.00	Mild
Lunch	Fried Rice	15.99	Mild	Sunday B...	Chinese Omelette	0.00	Mild
Lunch	Fried Tofu	10.99	Piquant	Sunday B...	Seafood Chow Mein	0.00	Tangy
Lunch	Orange Chicken	12.99	Tangy	Sunday B...	Chicken Chow Mein	0.00	Piquant
Lunch	Beef & Broccoli	8.99	Mild	Sunday B...	General Tsao's Chicken	0.00	Oh My God
Lunch	Crispy Orange Beef	8.99	Tangy	Sunday B...	Classic Special	0.00	Hot
Lunch	Barbecue Pork	10.99	Oh My God	Sunday B...	Chicken Chop Suey	0.00	Piquant
Lunch	Sweet and Sour Chicken	12.99	Tangy	Sunday B...	Pork Chop Suey	0.00	Piquant
Lunch	Wonton Soup	14.99	Hot	Childrens	Hot and Sour Soup	8.99	Tangy
Lunch	Lo Mein	12.99	Mild	Childrens	Orange Chicken	8.99	Tangy
Lunch	Ginger Salmon	10.99	Tangy	Childrens	Beef & Broccoli	8.99	Mild
Lunch	Teriyaki Salmon	9.99	Mild	Childrens	Teriyaki Chicken	8.99	Mild

2. CREATE VIEW Customer_addresses_v AS

SELECT * FROM Customers c LEFT JOIN Corporation cc ON c.CustomerID = cc.CustomerID

ORDER BY customerType

	CustomersID	custName	custEmail	snailMail	customerType	MimingsMoney	CustomerID	corpName	organizationName
▶	371961	Tryndamere	riotgames@gmail.com	12333 West Olympic Blvd	Corporation	330	371961	Riot Games	Developers
	987214	Julie Everton	Amazon@amazon.com	79561 Jungle Way	Corporation	9999	987214	Amazon Inc	Customer Support
	908199	Jason Ramirez	Walmart@walmart.com	1000 Walmart Lane	Corporation	6589	908199	Walmart Inc	Cashiers
	809831	Justin Brown	Ford@ford.com	89085 Ford Drive	Corporation	6545	809831	Ford Automobiles	Assembly Line
	578399	Brett Foster	ImLovinIt@verizon.net	5555 Healthy Avenue	Corporation	50	578399	McDonalds	Cooks
	515668	Ariana Grande	Samsung@samsung.com	90785 Phone Boulevard	Corporation	8745	515668	Samsung Inc	Engineers
	512389	Mike Wazowski	Apple@apple.com	5267 Fruit Boulevard	Corporation	1212	512389	Apple Inc	Service
	193891	Gavin Smith	Gamestop1213@gmail.com	8391 Bellflower Ave	Corporation	537	193891	Game Stop	Gamers
	190148	Brendan White	PartyCity8937@gmail.com	31489 Westminster Blvd	Corporation	1391	190148	Party City	Front Counter
	123907	Sakamoto Yamasaki	Toyota@toyota.com	90494 Toyota Drive	Corporation	12543	123907	Toyota Inc	Sales
	290414	Billy Ray Cyrus	HorsesInTheBack@gmail.c...	0101 Old Town Road	Person	69	NULL	NULL	NULL
	105838	John Cena	JohnCena@gmail.com	5671 Cena Avenue	Person	86	NULL	NULL	NULL
	418931	Bob Bob	BobBob@hotmail.com	8080 Cherry Lane	Person	57	NULL	NULL	NULL
	471263	Jeff Bezos	JeffBezos\$\$\$@gmail.com	1303 Amazon Drive	Person	20398	NULL	NULL	NULL
	247695	Elon Musk	MuskyBoy@hotmail.com	8913 Mars Avenue	Person	10039	NULL	NULL	NULL
	158946	Justin Bieber	BieberFever@hotmail.com	1111 Beverly Hills	Person	59	NULL	NULL	NULL
	136979	Bill Nye	BillBillBill@hotmail.com	3281 SunnyVile Drive	Person	137	NULL	NULL	NULL

officeAddress	contactInfo
12333 West Olympic Blvd	656-854-8791
79561 Jungle Way	125-161-6123
1000 Walmart Lane	890-719-9999
89085 Ford Drive	985-162-1927
5555 Healthy Avenue	800-888-8920
90785 Phone Boulevard	167-123-6089
5267 Fruit Boulevard	260-777-1374
8391 Bellflower Ave	949-555-4452
31489 Westminster Blvd	714-658-5454
90494 Toyota Drive	134-123-1512
NULL	NULL
NULL	NULL
NULL	NULL
NULL	NULL
NULL	NULL
NULL	NULL
NULL	NULL

3. CREATE VIEW Sous_mentor_v AS

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SELECT (SELECT `name` FROM Employee WHERE MentorShip.MentorID =
Employee.EmployeeID) AS Mentor,

(SELECT `name` FROM Employee WHERE MentorShip.MenteeID = Employee.EmployeeID) AS
Mentee,

(SELECT `name` FROM MenuItem WHERE MentorShip.MenuItemID = MenuItem.MenuItemID)
AS Skill,

startDate FROM MentorShip

ORDER BY Mentor, Mentee;

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	Mentor	Mentee	Skill	startDate
►	Biden Joe	Ramon Mands	Beef & Broccoli	2019-02-22
	Bob Builder	Biden Joe	Spring Roll	2018-03-10
	Bob Builder	Collin Doss	Chow Mein	2017-11-02
	Collin Doss	Bob Builder	Hot and Sour Soup	2016-12-21
	Collin Doss	Jason Byrne	Sweet and Sour Chicken	2018-12-31
	Collin Doss	Nance Bat	Ginger Salmon	2018-09-24
	Flaco Jam	Search Engine	Teriyaki Chicken	2019-04-24
	Grand Theft	Jason Byrne	Barbecue Pork	2016-10-24
	Jason Byrne	Collin Doss	Orange Chicken	2019-01-21
	Nance Bat	Biden Joe	Wonton Soup	2017-11-11
	Ramon Mands	Flaco Jam	Coconut Shrimp	2017-07-04
	Search Engine	Grand Theft	Classic Special	2018-01-02
	Tom Segura	Grand Theft	Pork Chop Suey	2016-04-24
	Tom Segura	Jason Byrne	Orange Chicken	2018-07-30

4. CREATE VIEW Customer_Sales_v AS

SELECT CustomersID, custName, SUM(price*quantity) AS totalSpent, orderDate AS YearByYear
FROM MenuMI mi

INNER JOIN OrderDetails od ON od.MenuitemID = mi.MenuitemID

INNER JOIN `Order` o ON o.OrderID = od.OrderID

INNER JOIN Customers c ON c.CustomersID = o.CustomerID

WHERE mi.MenuID = od.MenuID

GROUP BY o.CustomerID

ORDER BY YearByYear DESC;

	CustomersID	custName	totalSpent	YearByYear
►	578399	Brett Foster	118.87	2019-04-17
	190148	Brendan White	26.98	2019-01-30
	987214	Julie Everton	59.95	2018-11-27
	136979	Bill Nye	87.94	2018-09-20
	418931	Bob Bob	84.94	2018-08-17
	371961	Tryndamere	38.97	2018-04-24
	247695	Elon Musk	137.90	2018-04-19
	809831	Justin Brown	62.95	2018-03-18
	290414	Billy Ray Cyrus	95.90	2018-01-11
	515668	Ariana Grande	245.74	2017-12-10
	193891	Gavin Smith	193.87	2017-09-27

5. CREATE VIEW Customer_Value_v AS

SELECT CustomersID, custName, SUM(price*quantity) AS total\$Amount FROM MenuMI mi

INNER JOIN OrderDetails od ON od.MenuItemID = mi.MenuItemID

INNER JOIN `Order` o ON o.OrderID = od.OrderID

INNER JOIN Customers c ON c.CustomerID = o.CustomerID

WHERE mi.MenuID = od.MenuID AND o.orderDate BETWEEN '2018-05-01' AND '2019-05-01'

GROUP BY o.CustomerID

ORDER BY total\$Amount DESC;

	CustomersID	custName	total\$Amount
►	578399	Brett Foster	107.88
	136979	Bill Nye	87.94
	418931	Bob Bob	84.94
	987214	Julie Everton	59.95
	193891	Gavin Smith	50.97
	190148	Brendan White	26.98
	290414	Billy Ray Cyrus	23.98