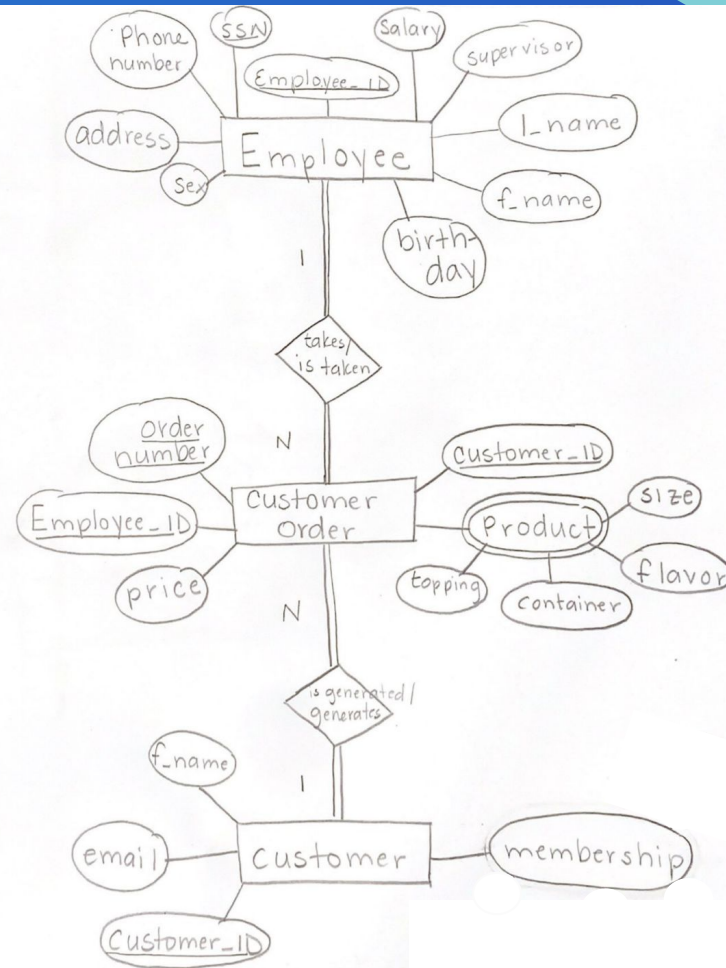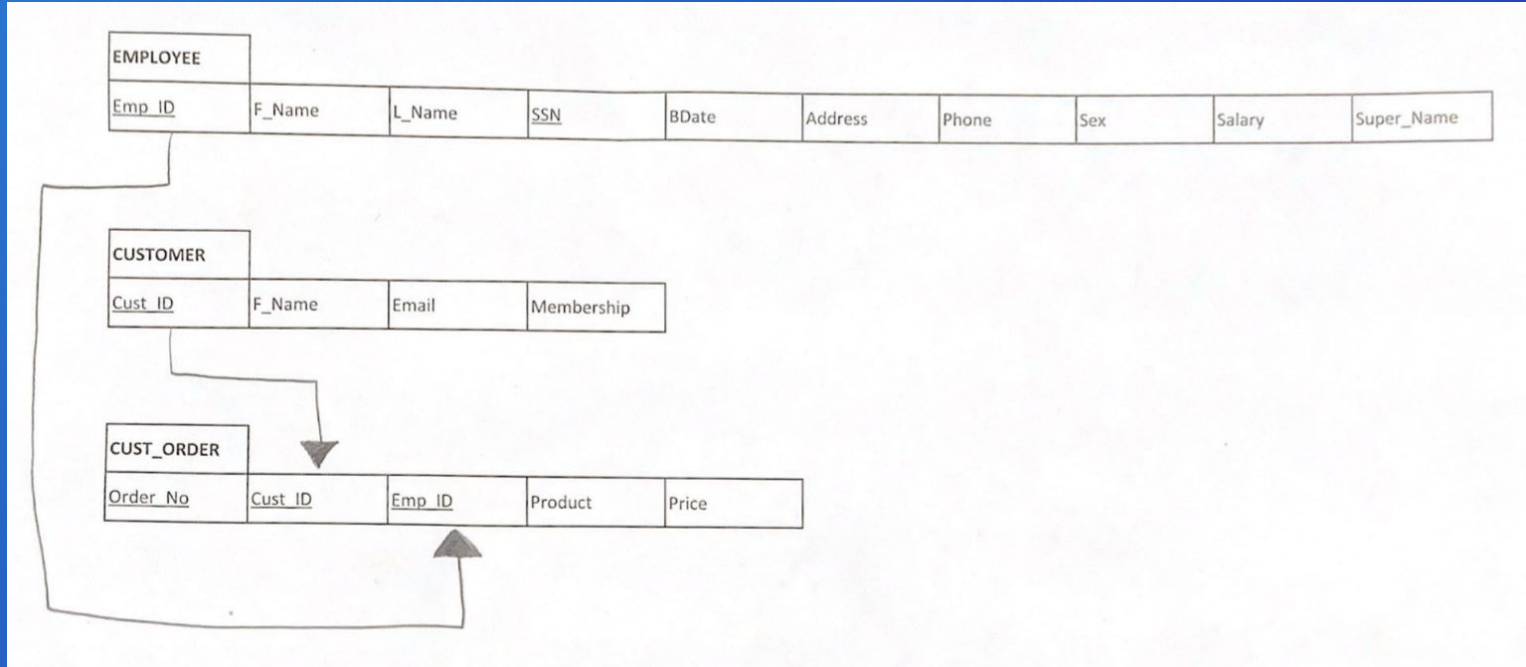# Hoa's Waffle Cones: The Ice Cream Shop Database

Lauren Dietzler, Hoa Huynh and Marion Murzello

1

ER Diagram

Schema Representation of the ER Diagram

Business Rules and Restrictions

A customer can generate many orders.　　　　　　　　*(1:N)*

Many orders can be generated by one customer.　　*(N:1)*
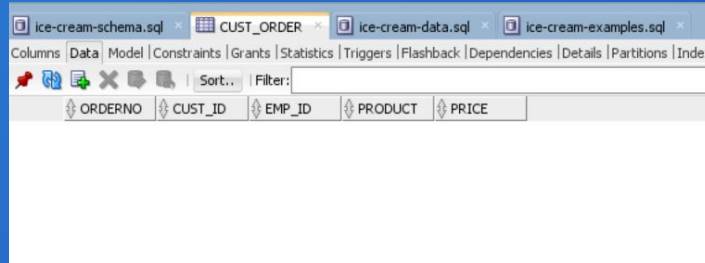
An employee can take many orders.　　　　　　　　*(1:N)*

Many orders can be taken by one employee.　　　　*(N:1)*
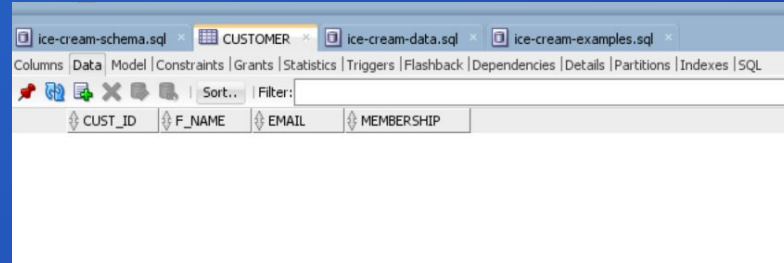
Blank Schema

Data Insertion

Data Update

-- UPDATE Queries
--Increase Lauren's salary to $39.000

UPDATE employee SET salary = '39000' WHERE ssn = '786941234';

Data Select

-- SELECT Queries
-- Find customers who have spent at least 5 dollars in a single order and list their name and price of order
-- Order by price descending

SELECT f_name, price
  FROM customer c, cust_order o
  WHERE o.price >= '5' AND o.cust_ID = c.cust_ID
  ORDER BY o.price DESC;

Script Output   x   Query Result   x

SQL | All Rows Fetched: 4 in 0.013 seconds

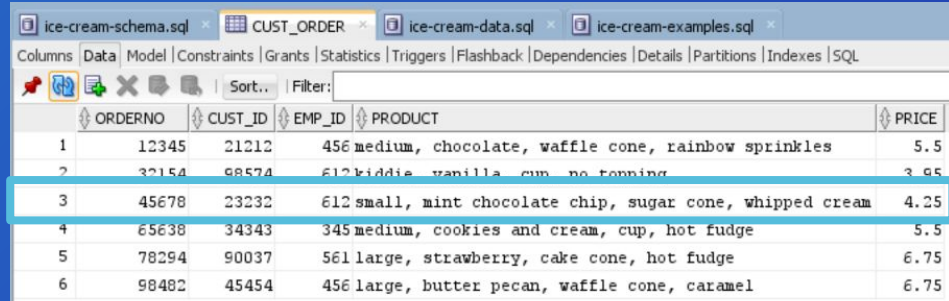|	F_NAME	PRICE
1	Amanda	6.75
2	Sheila	6.75
3	Mitch	5.5
4	Edward	5.5

Data Delete

-- DELETE Queries
-- Cancel Order Number #45678
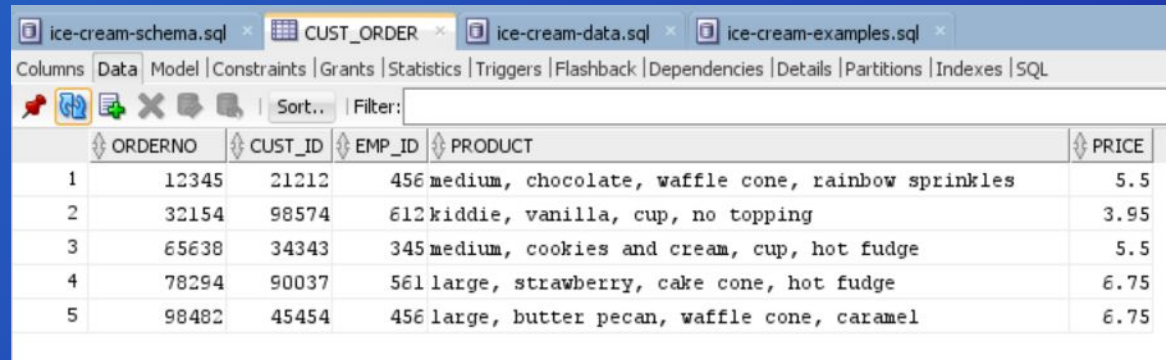
DELETE FROM cust_order
WHERE orderno = '45678';

	ORDERNO	CUST_ID	EMP_ID	PRODUCT	PRICE
1	12345	21212	456	medium, chocolate, waffle cone, rainbow sprinkles	5.5
2	32154	98574	612	kiddie, vanilla, cup, no topping	3.95
3	45678	23232	612	small, mint chocolate chip, sugar cone, whipped cream	4.25
4	65638	34343	345	medium, cookies and cream, cup, hot fudge	5.5
5	78294	90037	561	large, strawberry, cake cone, hot fudge	6.75
6	98482	45454	456	large, butter pecan, waffle cone, caramel	6.75

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Thank you for your time and attention!