SIT772 2022 T1

Assignment 1b

YANJUN CHEN 216327327

```
REGION_NAME COUNTRIES_COUNT

Europe 8

Americas 5

Asia 6

Middle East and Africa 6
```

1.2

		CUSTOMER_ID
CUSTOMER_ID		NAME
NAME		
NAME ,		ORDER_DAT
ORDER_DAT		1
70		6
PPG Industries		Community Health Systems 21-JUN-13
29-JUN-15		
56		4 AbbVie
Nucor 03-MAY-15		CHSTOMED IN
		CUSTOMER_ID
CUSTOMER_ID	CUSTOMER_ID	NAME
NAME	NAME	ORDER_DAT
ORDER_DAT	ORDER_DAT	26-APR-15
	International Paper	3
53 'NGL Energy Partners	09-APR-15	US Foods Holding 01-DEC-15
31-MAY-15	8	
47	International Paper 28-OCT-15	3
General Mills	20 001 13	CUSTOMER_ID
CUSTOMER ID	CUSTOMER ID	NAME
NAME	NAME	ORDER_DAT
ORDER_DAT	ORDER_DAT	US Foods Holding
 02-MAY-15	7	30-JUN-15
	Alcoa	2
. 44 Jabil Circuit	27-OCT-15	Plains GP Holdings 14-DEC-15
28-OCT-15	6	
8	Community Health Syst 09-APR-15	14 rows selected.

```
CUSTOMER_ID
NAME
AECOM
Alcoa
Amazon.com
CUSTOMER_ID
NAME
BB&T Corp.
Bank of America Corp.
Bank of New York Mellon Corp.
CUSTOMER_ID
NAME
Charter Communications
Cisco Systems
Coca-Cola
CUSTOMER_ID
NAME
Cognizant Technology Solution:
Colgate-Palmolive
```

	CUSTOMER_ID	
CUSTOMER_ID	NAME	
NAME 	165	
6 Community Health Systems	165 Johnson Controls	
271 Computer Sciences	284 L-3 Communications	
62 Conlgra Foods	t 235 Lincoln National i	
CUSTOMER_ID	CUSTOMER_ID	
NAME	NAME	
187 ConocoPhillips	. 83 National Oilwell Varco 2	
265 Consolidated Edison	Nucor	
310 Core-Mark Holding	75 Omnicom Group	
customer_id	CUSTOMER_ID	
NAME	NAME	CUSTOMER ID
294 Corning	52 PG&E Corp.	NAME
102 Costco	136 PepsiCo	201 Travelers Cos.
82 Discover Financial Services	212 Qualcomm	12 U.S. Bancorp
CUSTOMER_ID	customer_id	177 United Continental Holdings
NAME	NAME	CUSTOMER ID
236 Ecolab	126 State Farm Insurance Cos.	NAME
261 Guardian Life Ins. Co. of Ar	307 State Street Corp.	244 Viacom
273 Jacobs Engineering Group	149 Sysco	l 40 rows selected.

```
-- Task 1.4: [1 Marks]
-- Task 1.4: [1 Marks]
-- Write one SQL query to list all products' ID, Name and price where the products haven't been purchased by any customer in the database. The list must be ordered by the product price.

SELECT products.product_id, products.product_name, products.list_price
FROM products

HHERE products.product_id NOT IN (
SELECT product_id FROM order_items
-- this could work when customers must make order and pay before they cancel.

ORDER BY products.list_price ASC

CORDER BY products.list_price ASC
```

```
PRODUCT_ID
PRODUCT_NAME
LIST PRICE
Western Digital WD20EZRZ
     67.34
Western Digital WD1003FZEX
     70.89
PRODUCT_ID
PRODUCT_NAME
LIST_PRICE
22
Seagate ST3000DM008
Samsung MZ-75E500B/AM
PRODUCT_ID
PRODUCT NAME
LIST PRICE
    178.09
       148
MSI Z270 XPOWER GAMING TITANIUM
       140
PRODUCT_ID
PRODUCT_NAME
LIST_PRICE
MSI X99A WORKSTATION
    289.97
ASRock Z270 SuperCarrier
```

PRODUCT_ID	PRODUCT_ID
	DDODWAR WIND
PRODUCT_NAME	PRODUCT_NAME
LIST_PRICE	LIST_PRICE
229	221
Seagate ST10000DM0004	Zotac ZT-P10810C-10P
399.99	759.99
274	283
274 ASRock E3C224D4M-16RE	G.Skill Trident Z
499.99	760.99
PRODUCT_ID	PRODUCT_ID
	PRODUCT NAME
PRODUCT_NAME	PRODUCT_NAME
LIST PRICE	LIST_PRICE
193	223 MSI GeForce GTX 1080 TI Al
lAsus Z1OPE-D8 WS	764.98
561.59	101130
117	175
G.Skill Ripjaws V Series	NVIDIA VCQM4000-PB
PRODUCT_ID	PRODUCT_ID
PRODUCT NAME	PRODUCT NAME
	ļ -
LIST_PRICE	LIST_PRICE
	790
695.99	750
198	197
Intel Core i7-980	G.Skill Trident Z RGB
699.99	799.99
	112
88	112
PRODUCT ID	PRODUCT ID
PRODUCT_NAME	PRODUCT_NAME
	LIST PRICE
LIST_PRICE	
Gigabyte GV-N98TWF30C-6G	Corsair Vengeance Pro
749.99	808.92
277	59 Intel Core 17-59609 (OFW/)
G.Skill Trident Z	Intel Core i7-5960X (OEM/' 977.99
758.99	

PRODUCT_ID	
DDODUGE WAND	
PRODUCT_NAME	
LIST PRICE	
81	
Intel Xeon E5-2650 V4	
1099.99	
37	
Corsair Dominator Platinum	
1264.99	
PRODUCT ID	
PRODUCT_ID	
PRODUCT_NAME	PRODUCT ID
	-
LIST_PRICE	PRODUCT_NAME
	I TOT DDICE
161	LIST_PRICE
AMD 100-5056062	162
1499.99	Intel Xeon E5-2470V2
244	1904.7
Crucial	46
	Intel Xeon E5-2695 V3 (OEM/Tray)
PRODUCT_ID	2431.95
DDODUCT NAME	
PRODUCT_NAME	PRODUCT_ID
LIST_PRICE	PRODUCT NAME
1620.99	LIST_PRICE
212	
Intel Xeon E5-2680 V4	228
1639.99	Intel Xeon E5-2699 V3 (OEM/Tray)
0.40	3410.46
243	400
PRODUCT ID	133 PNY VCQP6000-PB
	FM1 VCQF0000-FB
PRODUCT_NAME	PRODUCT_ID
LIST PRICE	
	PRODUCT_NAME
Intel Xeon E5-2643 V4 (OEM	LIST PRICE
1708.86	
267	5499.99
267 EVGA 12G-P4-1999-KR	
1799.99	32 rows selected.
	ob lows scicocca.

EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID
NAME	NAME	NAME	NAME	NAME
ORDER_COUNT	ORDER_COUNT	ORDER_COUNT	ORDER_COUNT	ORDER_COUNT
62 Freya Gomez 13	56 Evie Harrison 5	37 Ibrahim Alexander 0	105 Gracie Gardner O	38 Sonny Russell O
64 Florence Freeman 12	54 Lily Fisher 5	103 Amelie Hudson O	71 Millie Hunter O	94 Maisie Nichol O
EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID
NAME	NAME	NAME	NAME	NAME
ORDER_COUNT	order_count	ORDER_COUNT	ORDER_COUNT	ORDER_COUNT
55 Grace Ellis 10	36 Felix Bryant O	7 5 Nathan Cox 0	79 Esme Warren O	. 63 /Phoebe Murray 0
59 Chloe Cruz	1 Tommy Bailey	33 Reggie Simmons	44 Emily Hamilton) Austin Flores
EMPLOYEE_ID	EMPLOYEE_ID	employee_id	EMPLOYEE_ID	EMPLOYEE_ID
NAME	NAME	NAME	NAME	NAME
ORDER_COUNT	ORDER_COUNT	order_count	ORDER_COUNT	ORDER_COUNT
7	0	0		0
60 Isabelle Marshall 7	31 Ellis Washington O	3 46 Ava Sullivan O	35 Carter Gonzales O	17 Frederick Pri 0
61	21	107	18	11
EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID
NAME	NAME	NAME	NAME	NAME
ORDER_COUNT	ORDER_COUNT	order_count	ORDER_COUNT	ORDER_COUNT
Daisy Ortiz 6	Jaxon Ross O	Summer Payne O	Ollie Bennett O	Tyler Ramirez
57 Scarlett Gibson 5	76 Layla Mason O	, 23 Jackson Coleman O	74 Elsie Henry O	10 Ryan Gray 0

EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID
NAME	NAME	NAME	NAME
order_count	ORDER_COUNT	ORDER_COUNT	ORDER_COUNT
53 Sophia Reynolds O	25 Ronnie Perry O	28 Maron Patterson O	81 Lola Ramos O
9 Mohammad Peterson O	14 Elliot Brooks O	19 Louis Wood O	49 Isabella Cole O
EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID
NAME	NAME	NAME	NAME
ORDER_COUNT	ORDER_COUNT	ORDER_COUNT	ORDER_COUNT
20 Dexter Barnes O	40 Caleb Diaz O	72 Sofia Hicks O	48 Jessica Woods O
67 Sienna Simpson	15 Rory Kelly	58 Ruby Mcdonald	65 Alice Wells
EMPLOYEE_ID NAME	EMPLOYEE_ID NAME	EMPLOYEE_ID NAME	EMPLOYEE_ID NAME
ORDER_COUNT	ORDER_COUNT	ORDER_COUNT	ORDER_COUNT
0	0	0	0
83 Ivy Burns O	98 Amber Rose O	68 Matilda Stevens O	87 Molly Rice O
69	77	73	26
EMPLOYEE_ID	EMPLOYEE_ID NAME	EMPLOYEE_ID NAME	EMPLOYEE_ID
NAME		ORDER COUNT	NAME
ORDER_COUNT Evelyn Tucker O	ORDER_COUNT Rosie Morales O	Lucy Crawford 0	ORDER_COUNT Leon Powell O
16 Alex Sanders O	66 Charlotte Webb O	90 Eliza Black O	96 Hannah Knight O

EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID
NAME	NAME	NAME	NAME
ORDER_COUNT	ORDER_COUNT	ORDER_COUNT	ORDER_COUNT
32 Jamie Butler O	7 82 Willow Reyes O	7 13 Albert Watson O	7 84 Erin Gordon 7 0
92 Abigail Palmer O	41 Connor Hayes O	. 100 Thea Hawkins O	2 Jude Rivera O
EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID
NAME	NAME	NAME	NAME
ORDER_COUNT	ORDER_COUNT	ORDER_COUNT	ORDER_COUNT
39 Kian Griffin O	12 Elliott James O	89 Jasmine Hunt O	70 Eva Porter 7 0
6 Gabriel Howard	101 Annabelle Dunn	52 Sophie Owens	4 Louie Richardson
EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID
NAME	NAME	NAME	 Pname
ORDER_COUNT	ORDER_COUNT	ORDER_COUNT	ORDER_COUNT
0	0	0	5 0
51 Poppy Jordan O	22 Liam Henderson O	85 Holly Shaw O	3 Blake Cooper O
7	95	42	91 J
EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID	EMPLOYEE_ID
NAME	NAME	NAME	NAME 7
ORDER_COUNT	ORDER_COUNT	ORDER_COUNT	ORDER_COUNT
Charles Ward O	Eleanor Grant O	Amelia Myers O	Lilly Daniels O
78 Maya Kennedy O	29 Roman Hughes O	34 Seth Foster O	80 Elizabeth Dixon O

EMPLOYEE_ID	EMPLOYEE_ID	
NAME	NAME	
ORDER_COUNT	ORDER_COUNT	
24 Callum Jenkins O	45 Isla Graham O	
106 Rose Stephens O	104 Harper Spencer O	
EMPLOYEE_ID	EMPLOYEE_ID	
NAME	NAME	
ORDER_COUNT	ORDER_COUNT	
. 50 WMia West O	8 Bobby Torres O	
27 Kai Long	75 Imogen Boyd	
EMPLOYEE_ID	EMPLOYEE_ID	
NAME	NAME	
order_count	ORDER_COUNT	EMPLOYEE_ID
0	0	, NAME
88 Ellie Robertson O	86 Emilia Holmes O	ORDER_COUNT
EMPLOYEE_ID	93 EMPLOYEE_ID	47 Ella Wallace
NAME	NAME	0
ORDER_COUNT	ORDER_COUNT	EMPLOYEE_ID
/Bella Stone 0	Georgia Mills O	NAME ORDER_COUNT
. 43 Olivia Ford O	97 Harriet Ferguson O	1 1 107 rows selected.

```
-- Task 1.6: [1 Marks]
-- Write one SQL query to list all the warehouses and the revenue of each warehouse. Here, given a product, the revenue of the product is calculated by the sold quantity of the product and its list_Price. The list must be ordered by the revenue value in the descending. [Reminder: if one product_ID links to more than one warehouses in the provided database, you can simply count it into its linked warehouses' revenue.]

SELECT inventories.warehouse_id, SUM(income) AS revenue

FROM(

SELECT id, sold_quantity, products.list_price,
sold_quantity*products.list_price AS income

FROM(

SELECT order_items.product_id AS id,
SUM(order_items.quantity) AS sold_quantity
FROM order_items.
INNER JOIN orders
ON order_items.order_id = orders.order_id
WHERE orders.status != 'Canceled'
GROUP BY order_items.product_id
ORDER BY order_items.product_id
GROUP BY id, sold_quantity, products.list_price
), inventories

WHERE id = inventories.product_id
GROUP BY inventories.warehouse_id
ORDER BY revenue DESC
;
```

Task 2.1: [2 Marks]

Normalize the table to ensure all generated tables are in 3NF. Present all tables generated from the normalization and present the results step by step from 1NF to 3NF. You are required to specify the primary keys in your generated tables.

*All the primary key of following table has been highlighted with yellow.

1NF

	Transacti										
	onDate	Product	Price	Amount	Category	PaymentType	CustomerName	Company Contact	Company	Shop	address
	21/03/20										20 Avenue, Burwood,
	21	ThinkPad	1,500	1	Electronic	Visa	Kevin Li	111111	IBM	Freeland Choice	VIC3125
	21/03/20										20 Avenue, Burwood,
	21	Mouse	\$30	2	Electronic	√isa	Kevin Li	111111	IBM	Freeland Choice	VIC3125
	21/03/20										36 Maple street,
	21	Office Chair	\$79	5	Office	Mastercard	Daniel Andrews	222222	Luxo Narelle Mesh	City Bunnings	Melbourne, VIC3000
	22/03/20										
	21	Camera	\$100	1	Electronic	√isa	Kevin Li	111111	IBM	Burwood Electronic	20 Avenue, Burwood
	22/03/20										
	21	Keyboard	\$50	2	Electronic	√isa	Kevin Li	111111	IBM	Burwood Electronic	20 Avenue, Burwood
	23/03/20										606 Burwood Hwy,
	21	ThinkPad	\$1,350	2	Electronic	Mastercard	David Andrews	111111	Івм	Burwood Officework	Vermont South VIC 3133
Ī	24/03/20										606-634 Burwood Hwy,
	21	Office Chair	\$80	4	Office	Mastercard	Daniel Andrews	222222	Luxo Narelle Mesh	Burwood Bunnings	Vermont South VIC 3133

2NF

product_id	store_id	Amount	TransactionDate	Product	Price	Category	Shop	address
								20 Avenue, Burwood,
1	1	1	21/03/2021	ThinkPad	1,500	Electronic	Freeland Choice	VIC3125
								20 Avenue, Burwood,
2	1	2	21/03/2021	Mouse	\$30	Electronic	Freeland Choice	VIC3125
								36 Maple street,
3	2	5	21/03/2021	Office Chair	\$79	Office	City Bunnings	Melbourne, VIC3000
4	3	1	22/03/2021	Camera	\$100	Electronic	Burwood Electronic	20 Avenue, Burwood
5	3	2	22/03/2021	Keyboard	\$50	Electronic	Burwood Electronic	20 Avenue, Burwood
								606 Burwood Hwy,
								Vermont South VIC
1	4	2	23/03/2021	ThinkPad	\$1,350	Electronic	Burwood Officework	3133
								606-634 Burwood Hwy,
								Vermont South VIC
3	5	4	24/03/2021	Office Chair	\$80	Office	Burwood Bunnings	3133

customer_id	CustomerName	Company Contact	Company	PaymentType
1	Kevin Li	111111	IBM	Visa
2	David Andrews	111111	IBM	Mastercard
3	Daniel Andrews	222222	Luxo Narelle Mesh	Mastercard

customer_id		product_id
customer_ru	_	product_ru
	1	1
	1	2
	3	3
	1	4
	1	5
	2	6
	3	7

3NF

		custome	product_i			
order_number	store_id	r_id	d	Amount	Price	TransactionDate
1	1	1	1	1	1500	21/03/2021
2	1	1	2	2	30	21/03/2021
3	2	3	3	5	79	21/03/2021
4	3	1	4	1	100	22/03/2021
5	3	1	5	2	50	22/03/2021
6	4	2	1	2	1350	23/03/2021
7	5	3	3	4	80	24/03/2021

store_id	Store name	address
		20 Avenue, Burwood,
1	Freeland Choice	VIC3125
		36 Maple street,
2	City Bunnings	Melbourne, VIC3000
3	Burwood Electronic	20 Avenue, Burwood
		606 Burwood Hwy,
4	Burwood Officework	Vermont South VIC 3133
		606-634 Burwood Hwy,
5	Burwood Bunnings	Vermont South VIC 3133
product_id	Product name	Category
1	ThinkPad	Electronic
2	Mouse	Electronic
3	Office Chair	Office
4	Camera	Electronic
5	Keyboard	Electronic

				+
custome	Customer			l
r_id	Name	PaymentType	Company_id	
				Ι
1	Kevin Li	Visa	1	
	David			
2	Andrews	Mastercard	1	
	Daniel			l
3	Andrews	Mastercard	2	
Compan	Company	Company		
y_id	Contact	name		
1	111111	IBM		
		Luxo Narelle		
2	222222	Mesh		

```
declare the primary keys, foreign keys if applicable.
-- (Marking Rubric: 1 mark if there is no mistake to create the tables or only has one mistake; otherwise, 0 mark
       will be given.)
       CREATE TABLE product_ (
product_id NUMBER PRIMARY KEY,
            product_name VARCHAR2 (50),
            category VARCHAR2 (50)
       CREATE TABLE store_ (
store_id NUMBER PRIMARY KEY,
            store_name VARCHAR2 (50),
            address VARCHAR2 (255)
     □CREATE TABLE company_ (
company_id NUMBER PRIMARY KEY,
            company_contact VARCHAR2 (50),
            company_name VARCHAR2 (50)
     □CREATE TABLE customer_ (
102
            customer_id NUMBER PRIMARY KEY,
103
104
            customer_name VARCHAR2 (50),
payment_type VARCHAR2 (50),
105
106
            company_id NUMBER,
107
            CONSTRAINT fk_customer_company
                 FOREIGN KEY (company_id)
108
                 REFERENCES company_ (company_id)
109
110
                 ON DELETE CASCADE
111
```

```
CREATE TABLE order (
          order_number NUMBER PRIMARY KEY,
          store_id NUMBER,
customer_id NUMBER,
          product id NUMBER,
          amount NUMBER,
          price NUMBER,
          transaction date DATE,
          CONSTRAINT fk order store
              FOREIGN KEY (store_id)
              REFERENCES store_ (store_id)
              ON DELETE CASCADE,
          CONSTRAINT fk_order_customer
              FOREIGN KEY (customer_id)
              REFERENCES customer_ (customer_id)
              ON DELETE CASCADE,
          CONSTRAINT fk_order_product
              FOREIGN KEY (product_id)
130
              REFERENCES product_ (product_id)
              ON DELETE CASCADE
```

```
Table created.

Table created.

Table created.

Table created.

Table created.
```

```
ALTER TABLE customer_ DISABLE CONSTRAINT fk_customer_company;
         ALTER TABLE order_ DISABLE CONSTRAINT fk_order_store;
ALTER TABLE order_ DISABLE CONSTRAINT fk_order_customer;
ALTER TABLE order_ DISABLE CONSTRAINT fk_order_product;
140
         REM INSERTING into product_ SET DEFINE OFF;
Insert into product_ (product_id, product_name, category)
  values (1,'ThinkPad', 'Electronic');
Insert into product_ (product_id, product_name, category)
  values (2,'Mouse', 'Electronic');
Insert into product_ (product_id, product_name, category)
  values (3,'Office Chair', 'Office');
          Insert into product_ (product_id, product_name, category)
         values (4, 'Camera', 'Electronic');
Insert into product_ (product_id, product_name, category)
                 values (5, 'Keyboard', 'Electronic');
          SELECT * FROM product ;
         REM INSERTING into store_ SET DEFINE OFF;
Insert into store_ (store_id, store_name, address)
                values (1, 'Freeland Choice', '20 Avenue, Burwood, VIC3125');
          Insert into store_ (store_id, store_name, address)
         values (2,'City Bunnings', '36 Maple street, Melbourne, VIC3000');
Insert into store_ (store_id, store_name, address)
160
         values (3,'Burwood Electronic', '20 Avenue, Burwood');
Insert into store_ (store_id, store_name, address)
          values (4, 'Burwood Officework', '606 Burwood Hwy, Vermont South VIC 3133');
Insert into store_ (store_id, store_name, address)
                values (5, 'Burwood Bunnings', '606-634 Burwood Hwy, Vermont South VIC 3133');
          SELECT * FROM store ;
```

```
REM INSERTING into company_ SET DEFINE OFF;
Insert into company_ (company_id, company_contact, company_name)
   values (1, 111111, 'IBM');
Insert into company_ (company_id, company_contact, company_name)
   values (2, 222222, 'Luxo Narelle Mesh');
SELECT * FROM company_;
REM INSERTING into customer_ SET DEFINE OFF;
Insert into customer_ (customer_id, customer_name, payment_type, company_id)
     values (1, 'Kevin Li', 'Visa', 1);
Insert into customer_ (customer_id, customer_name, payment_type, company_id)
values (2, 'David Andrews', 'Mastercard', 1);
Insert into customer_ (customer_id, customer_name, payment_type, company_id)
values (3, 'Daniel Andrews', 'Mastercard', 2);
ز_SELECT * FROM customer
REM INSERTING into order SET DEFINE OFF;
Insert into order_ (order_number, store_id, customer_id, product_id, amount, price, transaction_date)
   values (1, 1, 1, 1, 1500, to_date('21/03/2021','DD/MM/RR'));
Insert into order_ (order_number, store_id, customer_id, product_id, amount, price, transaction_date)
values (2, 1, 1, 2, 2, 30, to_date('21/03/2021','DD/MM/RR'));
Insert into order_ (order_number, store_id, customer_id, product_id, amount, price, transaction_date)
     values (3, 2, 3, 3, 5, 79, to_date('21/03/2021', 'DD/MM/RR'))
Insert into order_ (order_number, store_id, customer_id, product_id, amount, price, transaction_date)
  values (4, 3, 1, 4, 1, 100, to_date('22/03/2021','DD/MM/RR'));
Insert into order_ (order_number, store_id, customer_id, product_id, amount, price, transaction_date)
     values (5, 3, 1, 5, 2, 50, to_date('22/03/2021', 'DD/MM/RR'));
Insert into order_ (order_number, store_id, customer_id, product_id, amount, price, transaction_date)
values (6, 4, 2, 1, 2, 1350, to_date('23/03/2021', 'DD/MM/RR'));
Insert into order_ (order_number, store_id, customer_id, product_id, amount, price, transaction_date)
values (7, 5, 3, 3, 4, 80, to_date('24/03/2021', 'DD/MM/RR'));
SELECT * FROM order_;
ALTER TABLE customer ENABLE CONSTRAINT fk customer company;
ALTER TABLE order_ ENABLE CONSTRAINT fk_order_store;
ALTER TABLE order_ ENABLE CONSTRAINT fk_order_customer;
ALTER TABLE order_ ENABLE CONSTRAINT fk_order_product;
```

Table altered.	
i Table altered.	
Table altered.	
Table altered.	
(1 row created.	(1 row created.
1 row created.	1 row created.
1 row created.	1 row created.
1 row created.	1 row created.
l 1 row created.	1 row created.
PRODUCT_ID PRODUCT_NAME	STORE_ID STORE_NAME
CATEGORY	ADDRESS
1 ThinkPad Electronic	1 Freeland Choice 20 Avenue, Burwood, VIC3125
2 Mouse Electronic	2 City Bunnings 36 Maple street, Melbourne, VIC3000
3 Office Chair Office	3 Burwood Electronic 20 Avenue, Burwood
PRODUCT_ID PRODUCT_NAME	STORE_ID STORE_NAME
CATEGORY	ADDRESS
4 Camera Electronic	4 Burwood Officework 606 Burwood Hwy, Vermont South VIC 3133
5 Keyboard Electronic	5 Burwood Bunnings 606-634 Burwood Hwy, Vermont South VIC 3133

```
1 row created.

1 row created.

COMPANY_ID COMPANY_CONTACT
COMPANY_NAME
1 111111
IBM
2 222222
Luxo Narelle Mesh
1 row created.
```

```
1 row created.

1 row created.

1 row created.

CUSTOMER_ID CUSTOMER_NAME

PAYMENT_TYPE COMPANY_ID

1 Kevin Li

Visa 1

2 David Andrews

Mastercard 1

3 Daniel Andrews

Mastercard 2
```

```
1 row created.
ORDER_NUMBER STORE_ID CUSTOMER_ID PRODUCT_ID AMOUNT PRICE TRANSACTI
     1 1 1 1 1 1 1 1500 21-MAR-21 2 1 1 1 2 2 30 21-MAR-21 3 2 3 3 5 79 21-MAR-21 4 3 1 4 1 100 22-MAR-21 5 3 1 5 2 50 22-MAR-21 6 4 2 1 2 1350 23-MAR-21 7 5 3 3 4 80 24-MAR-21
7 rows selected.
Table altered.
Table altered.
Table altered.
Table altered.
```