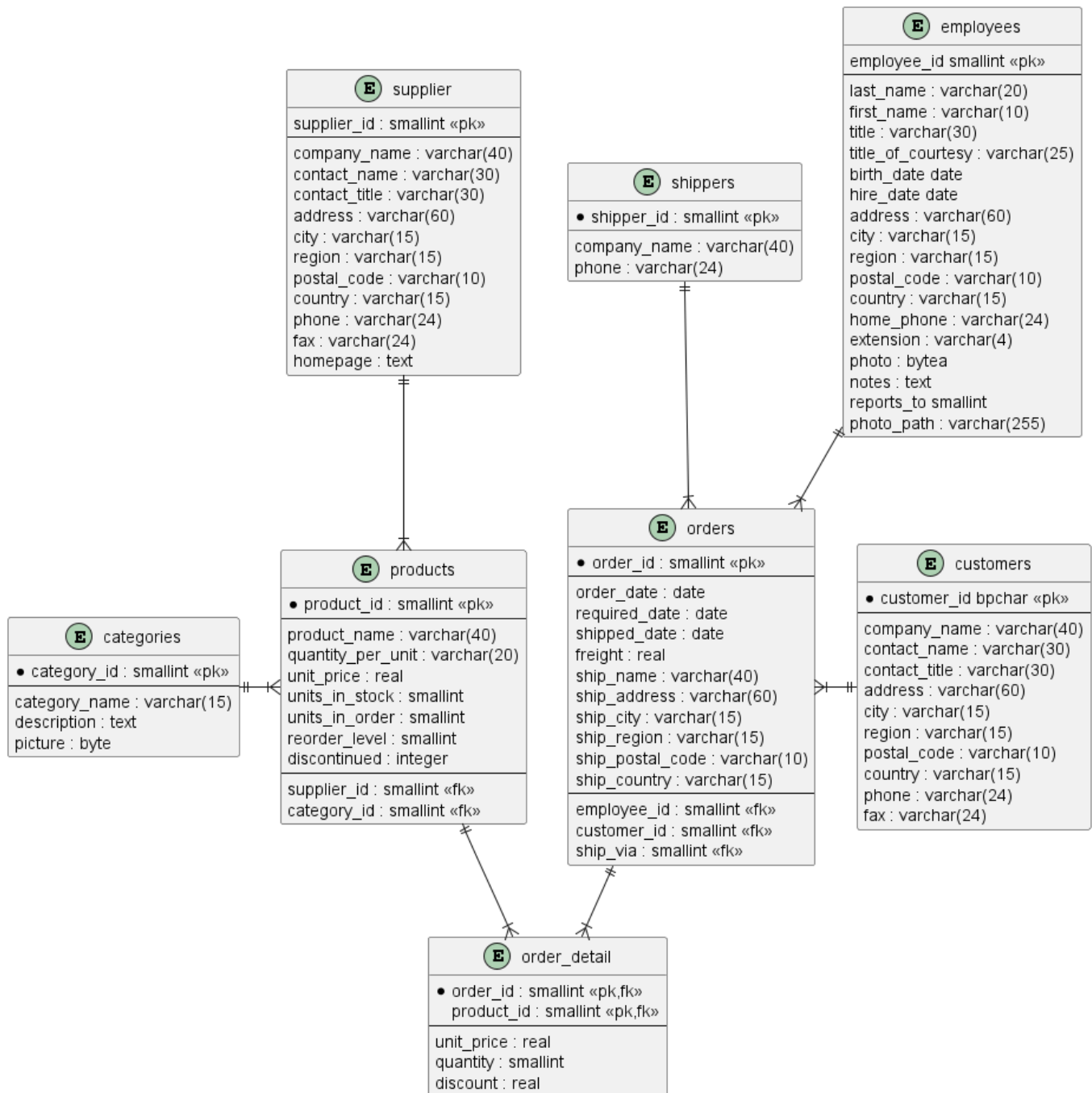


Day01 - Challenges

Schema OE

Perhatikan ER-Diagram dibawah ini :



Tasks

#1 (10 Points)

1. Create Schema OE
2. Create All Objects (Tables, Sequence, dll) di script repository.
3. Create permanent akses untuk All Object yang ada di schema OE.

#2 (20 Points)

Gunakan table yang ada di schema oe.

1. Tampilkan data category & total product-nya.

	category_id [PK] smallint	category_name character varying (15)	total_product bigint
1	1	Beverages	12
2	2	Condiments	12
3	3	Confections	13
4	4	Dairy Products	10
5	5	Grains/Cereals	7
6	6	Meat/Poultry	6
7	7	Produce	5
8	8	Seafood	12

2. Tampilkan data supplier & total product-nya.

	supplier_id [PK] smallint	company_name character varying (40)	total_product bigint
1	7	Pavlova, Ltd.	5
2	8	Specialty Biscuits, Ltd.	5
3	12	Plutzer Lebensmittelgroßmärkte AG	5
4	2	New Orleans Cajun Delights	4
5	3	Grandma Kelly's Homestead	3
6	4	Tokyo Traders	3
7	15	Norske Meierier	3
8	6	Mayumi's	3
9	24	G'day, Mate	3
10	14	Formaggi Fortini s.r.l.	3
11	17	Svensk Sjöföda AB	3
12	20	Leka Trading	3
13	16	Bigfoot Breweries	3
Total rows: 29 Query complete 00:00:00.144			

3. Tampilkan data supplier, total product dan harga rata-rata tiap product (gunakan to_char() untuk menampilkan format avg_unit_price).

	supplier_id [PK] smallint	company_name character varying (40)	total_product bigint	avg_unit_price text
1	7	Pavlova, Ltd.	5	35.57
2	8	Specialty Biscuits, Ltd.	5	26.14
3	12	Plutzer Lebensmittelgroßmärkte AG	5	44.68
4	2	New Orleans Cajun Delights	4	20.35
5	3	Grandma Kelly's Homestead	3	31.67
6	4	Tokyo Traders	3	46.00
7	15	Norske Meierier	3	20.00
8	6	Mayumi's	3	14.08
9	24	G'day, Mate	3	30.93
10	14	Formaggi Fortini s.r.l.	3	26.43
11	17	Svensk Sjöföda AB	3	20.00
12	20	Leka Trading	3	26.48
13	16	Bigfoot Breweries	3	15.33
14	23	Karkki Oy	3	18.08
15	11	Heli Süßwaren GmbH & Co. KG	3	29.71
Total rows: 29 Query complete 00:00:00.188				

4. Tampilkan data product yang harus pesan lagi ke supplier sesuai reorder-level nya.

	product_id smallint	product_name character varying (40)	supplier_id smallint	company_name character varying (40)	unit_price real	units_in_stock smallint	units_on_order smallint	reorder_level smallint
1	17	Alice Mutton	7	Pavlova, Ltd.	39	0	0	0
2	3	Aniseed Syrup	1	Exotic Liquids	10	13	70	25
3	2	Chang	1	Exotic Liquids	19	17	40	25
4	5	Chef Anton's Gumbo Mix	2	New Orleans Cajun Delights	21.35	0	0	0
5	48	Chocolate	22	Zaanse Snoepfabriek	12.75	15	70	25
6	56	Gnocchi di nonna Alice	26	Pasta Buttini s.r.l.	38	21	10	30
7	31	Gorgonzola Telino	14	Formaggi Fortini s.r.l.	12.5	0	70	20
8	37	Gravad lax	17	Svensk Sjöföda AB	26	11	50	25
9	43	Ipoh Coffee	20	Leka Trading	46	17	10	25
Total rows: 22 Query complete 00:00:00.118								

5. Tampilkan data customer dan total order-nya

	customer_id [PK] character varying (5)	company_name character varying (40)	total_order bigint
1	ALFKI	Alfreds Futterkiste	6
2	ANATR	Ana Trujillo Emparedados y helados	4
3	ANTON	Antonio Moreno Taquería	7
4	AROUT	Around the Horn	13
5	BSBEV	B's Beverages	10
6	BERGS	Berglunds snabbköp	18
7	BLAUS	Blauer See Delikatessen	7
8	BLONP	Blondesddsl père et fils	11
9	BOLID	Bólido Comidas preparadas	3
Total rows: 89 Query complete 00:00:00.303			

6. Tampilkan data order yang melebihi delivery time lebih dari 7 hari.

	order_id [PK] smallint	customer_id character varying (5)	order_date date	required_date date	shipped_date date	delivery_time numeric
1	10248	VINET	1996-07-04	1996-08-01	1996-07-16	12
2	10254	CHOPS	1996-07-11	1996-08-08	1996-07-23	12
3	10261	QUEDE	1996-07-19	1996-08-16	1996-07-30	11
4	10264	FOLKO	1996-07-24	1996-08-21	1996-08-23	30
5	10265	BLONP	1996-07-25	1996-08-22	1996-08-12	18
6	10271	SPLIR	1996-08-01	1996-08-29	1996-08-30	29
7	10280	BERGS	1996-08-14	1996-09-11	1996-09-12	29
8	10288	REGGC	1996-08-23	1996-09-20	1996-09-03	11
9	10293	TORTU	1996-08-29	1996-09-26	1996-09-11	13
Total rows: 119 Query complete 00:00:00.160						

7. Tampilkan total product yang sudah di order dan urut berdasarkan total_quantity terbesar.

	product_id [PK] smallint	product_name character varying (40)	total_qty bigint
1	60	Camembert Pierrot	1504
2	59	Raclette Courdavault	1496
3	31	Gorgonzola Telino	1377
4	56	Gnocchi di nonna Alice	1263
5	75	Rhönbräu Klosterbier	1151
6	16	Pavlova	1112
7	40	Boston Crab Meat	1103
8	24	Guaraná Fantástica	1095
9	62	Tarte au sucre	1083
Total rows: 77 Query complete 00:00:00.092			

8. Tampilkan total product yang sudah di order berdasarkan category

	category_id [PK] smallint	category_name character varying (15)	total_qty_ordered bigint
1	1	Beverages	9210
2	4	Dairy Products	8997
3	3	Confections	7742
4	8	Seafood	7551
5	2	Condiments	5235
6	5	Grains/Cereals	4398
7	6	Meat/Poultry	4155
8	7	Produce	2831

Total rows: 8 Query complete 00:00:00.087

9. Mengacu ke soal no 8, tampilkan data category yang memiliki min & max total_qty_ordered

	category_id smallint	category_name character varying (15)	total_qty_ordered bigint
1	1	Beverages	9210
2	7	Produce	2831

Total rows: 2 Query complete 00:00:00.124

10. Tampilkan data shipper dan total qty product yang dikirim

	shipper_id smallint	company_name character varying (40)	product_id smallint	product_name character varying (40)	total_qty_ordered bigint
1	3	Federal Shipping	17	Alice Mutton	217
2	3	Federal Shipping	3	Aniseed Syrup	130
3	3	Federal Shipping	40	Boston Crab Meat	154
4	3	Federal Shipping	60	Camembert Pierrot	326
5	3	Federal Shipping	18	Carnarvon Tigers	209
6	3	Federal Shipping	1	Chai	344
7	3	Federal Shipping	2	Chang	187
8	3	Federal Shipping	39	Chartreuse verte	284
9	3	Federal Shipping	4	Chef Anton's Cajun Seasoning	126

Total rows: 231 Query complete 00:00:00.123

11. Tampilkan data shipper dengan product yang paling sering dikirim dan paling minim dikirim.

	shipper_id smallint	company_name character varying (40)	product_id smallint	product_name character varying (40)	total_qty_ordered bigint
1	1	Speedy Express	12	Queso Manchego La Pastora	8
2	1	Speedy Express	31	Gorgonzola Telino	566
3	2	United Package	48	Chocolate	15
4	2	United Package	60	Camembert Pierrot	782
5	3	Federal Shipping	9	Mishi Kobe Niku	6
6	3	Federal Shipping	55	Pâté chinois	473
7	3	Federal Shipping	71	Flotemysost	473

Using Schema HR

12. Tampilkan hirarki level employee seperti gambar dibawah ini :

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