

```
-- 1. Customers => stores data customer
-- run insert from employee table first
```

```
INSERT INTO customers
```

```
VALUES
```

```
(1, 'Alan Brugh', 'Brugh', 'Alan', '440-307-7335', '266 Golden Ridge Road', NULL, 'Schenectady', 'New York', '12305', 'Schenectady', 4, 5000),
(2, 'Meiya Guren', 'Guren', 'Meiya', '360-625-0187', '1540 Goodwin Avenue', NULL, 'Kennewick', 'Washington', '99336', 'Benton', 4, 6000),
(3, 'Shin Nouzen', 'Nouzen', 'Shin', '731-695-0549', '1558 Larry Street', NULL, 'San Francisco', 'California', '94143', 'San Francisco', 4, 7000),
(4, 'Shiden Lida', 'Lida', 'Shiden', '716-803-2840', '2026 Briarwood Drive', NULL, 'Merchantville', 'New Jersey', '08109', 'Camden', 5, 2000),
(5, 'Vladi Lena', 'Lena', 'Vladi', '402-435-1962', '4784 Maxwell Farm Road', NULL, 'Chico', 'California', '95928', 'Butte', 5, 2000);
```

```
SELECT * FROM customers;
```

Results Messages

customerNumber	customerName	contactLastName	contactFirstName	phone	addressLine1	addressLine2	city	state	postalCode	country	salesRepEmployeeNumber	creditLimit
1	Alan Brugh	Brugh	Alan	440-307-7335	266 Golden Ridge Road	NULL	Schenectady	New York	12305	Schenectady	4	5000
2	Meiya Guren	Guren	Meiya	360-625-0187	1540 Goodwin Avenue	NULL	Kennewick	Washington	99336	Benton	4	6000
3	Shin Nouzen	Nouzen	Shin	731-695-0549	1558 Larry Street	NULL	San Francisco	California	94143	San Francisco	4	7000
4	Shiden Lida	Lida	Shiden	716-803-2840	2026 Briarwood Drive	NULL	Merchantville	New Jersey	08109	Camden	5	2000
5	Vladi Lena	Lena	Vladi	402-435-1962	4784 Maxwell Farm Road	NULL	Chico	California	95928	Butte	5	2000

```
-- 2. Products => stores daftar/list model product ( dalam hal ini bisa mobil/motor dll )
-- run insert operation on productlines table first
INSERT INTO products
VALUES
(1, 'Router AC Dual Band', 1, 2, 'TP-LINK', 'Fast router with dual band', 10, 200, 180),
(2, 'Logitech Mouse G100', 2, 4, 'Logitech', 'Mouse for pro gamers', 30, 300, 250),
(3, 'Anker USB Hub 4 slot', 3, 10, 'Anker', 'Usb 2.0 hub', 5, 20, 10),
(4, 'Ducky White', 4, 3, 'Ducky', 'Keyboard for gamers', 20, 400, 377),
(5, 'Samsung LGKXY-123D', 5, 6, 'Samsung', '24 inch monitor with free sync', 44, 323, 255),
(6, 'Ducky Red', 4, 3, 'Ducky', 'Keyboard for gamers', 20, 160, 140);

-- nampilin productname sesuai dengan textDescriptionnya
SELECT ps.productName, pl.textDescription FROM products AS ps
JOIN productlines AS pl
ON ps.productLine = pl.productLine;
```

Results Messages

productName	textDescription
Router AC Dual Band	Router
Logitech Mouse G100	Mouse
Anker USB Hub 4 slot	USB HUB
Ducky White	Keyboard
Samsung LGKXY-123D	Monitor
Ducky Red	Keyboard

```
-- 3. Productlines => stores daftar/list kategori product
```

```
INSERT INTO productlines
```

```
VALUES
```

```
(1, 'Router', '<!DOCTYPE html> <html> <body><p>Router</p> </body> </html>', '/picture/router.png'),  
(2, 'Mouse', '<!DOCTYPE html> <html> <body><p>Mouse</p> </body> </html>', '/picture/mouse.png'),  
(3, 'USB HUB', '<!DOCTYPE html> <html> <body><p>USB HUB</p> </body> </html>', '/picture/usb-hub.png'),  
(4, 'Keyboard', '<!DOCTYPE html> <html> <body><p>Keyboard</p> </body> </html>', '/picture/keyboard.png'),  
(5, 'Monitor', '<!DOCTYPE html> <html> <body><p>Monitor</p> </body> </html>', '/picture/monitor.png')
```

```
SELECT * FROM productlines;
```

Results Messages

productLine	textDescription	htmlDescription	image
1	Router	<!DOCTYPE html> <html> <body><p>Router</p> </body>...	/picture/router.png
2	Mouse	<!DOCTYPE html> <html> <body><p>Mouse</p> </body>...	/picture/mouse.png
3	USB HUB	<!DOCTYPE html> <html> <body><p>USB HUB</p> </bo...	/picture/usb-hub.png
4	Keyboard	<!DOCTYPE html> <html> <body><p>Keyboard</p> </bo...	/picture/keyboard.png
5	Monitor	<!DOCTYPE html> <html> <body><p>Monitor</p> </body>...	/picture/monitor.png

```
-- 4. Orders => store Order Sales oleh customer
INSERT INTO orders
VALUES
(1, '2021-01-25', '2021-01-26', '2021-01-27', 'shipping', NULL, 1),
(2, '2021-01-25', '2021-01-25', '2021-01-27', 'packaging', NULL, 1),
(3, '2021-01-20', '2021-01-21', '2021-01-22', 'shipping', NULL, 3),
(4, '2021-01-10', '2021-01-11', '2021-01-13', 'completed', 'customer recieved the item', 4),
(5, '2021-01-22', '2021-01-21', '2021-01-26', 'shipping', NULL, 5)

SELECT * FROM orders;
```

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Results Messages

orderNumber	orderDate	requiredDate	shippedDate	status	comments	customerNumber
1	2021-01-25	2021-01-26	2021-01-27	shipping	NULL	1
2	2021-01-25	2021-01-25	2021-01-27	packaging	NULL	1
3	2021-01-20	2021-01-21	2021-01-22	shipping	NULL	3
4	2021-01-10	2021-01-11	2021-01-13	completed	customer recieved the item	4
5	2021-01-22	2021-01-21	2021-01-26	shipping	NULL	5

```
-- 5. OrderDetails => store Item Order sales dalam setiap order sales
INSERT INTO orderdetails
VALUES
(1,1, 10, 180, 10),
(1,2, 2, 220, 11),
(2,5, 5, 244, 21),
(2,6, 8, 140, 33),
(3,6, 4, 140, 80);

SELECT * FROM orderdetails;
```

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Results Messages

orderNumber	productCode	quantityOrdered	priceEach	orderLineNumber
1	1	10	180	10
1	2	2	220	11
2	5	5	244	21
2	6	8	140	33
3	6	4	140	80

-- 6. Payments => store Pembayaran oleh customer sesuai dengan akun pembayaran

```
INSERT INTO payments
```

```
VALUES
```

```
(1, 101, '2021-01-26', 1500),
```

```
(1, 102, '2021-01-27', 2700),
```

```
(3, 103, '2021-01-23', 4600),
```

```
(4, 104, '2021-01-12', 5632),
```

```
(5, 105, '2021-01-24', 2400);
```

```
SELECT * FROM payments;
```

%

Results

Messages

customerNumber	checkNumber	paymentDate	amount
1	101	2021-01-26	1500
1	102	2021-01-27	2700
3	103	2021-01-23	4600
4	104	2021-01-12	5632
5	105	2021-01-24	2400

```

--- 7. Employee => store informasi karyawan dalam sebuah organisasi struktur
--- run insert operation on offices first
INSERT INTO employess
VALUES
(1, 'Alan', 'Medina', 'Mr', 'alanmedina@gmail.com', 1, NULL, 'Senior Manager'),
(2, 'Edna', 'Stumbaugh', 'Ms', 'ednastumbaugh@gmail.com', 1, 1, 'Manager'),
(3, 'Scott', 'Hoover', 'Mr', 'scotthoover@yahoo.com', 2, 2, 'General Supervisor'),
(4, 'White', 'Marilyn', 'Ms', 'marilynwhite@yahoo.com', 3, 3, 'Sales'),
(5, 'Smith', 'Kelvin', 'Mr', 'kevin.smith@yahoo.com', 3, 3, 'Sales')

-- tampilkan nama depan karyawan , kota lokasi kantor dan nama karyawan yang di laporkan kepada
SELECT e.firstName, o.city as "office location", r.firstName as "report to" FROM employess as e
JOIN offices as o
ON e.officeCode = o.officeCode
JOIN employess as r
ON e.reportsTo = r.employeeNumber;

```

%

Results Messages

firstName	office location	report to
Stumbaugh	Bandung	Medina
Hoover	Fairfax	Stumbaugh
Marilyn	Annandale	Hoover
Kelvin	Annandale	Hoover

--- 8. Offices => store data sales office

INSERT INTO offices

VALUES

(1, 'Bandung', '703-273-0538', 'Bermuda Street', 'No.5 Block 123', 'Indonesia', 'Indonesia', '18765', 'Big'),
(2, 'Fairfax', '276-252-7498', '1339 Lawman Avenue', NULL, 'Indonesia', 'Indonesia', '4490 ', 'Big'),
(3, 'Annandale', '763-575-5617', '4592 Hillcrest Circle', NULL, 'Minnesota', 'Wright', '55302 ', 'Small'),
(4, 'SCRANTON', '614-433-8181', '4374 James Martin Circle', NULL, 'Kansas', 'Osage', '66537 ', 'Small'),
(5, 'Needles', '909-309-4991', '3077 Parkway Street', NULL, 'California', 'San Bernardino', '92363 ', 'Small')

SELECT * FROM offices;



Results Messages

officeCode	city	phone	addressLine1	addressLine2	state	country	postalCode	territory
1	Bandung	703-273-0538	Bermuda Street	No.5 Block 123	Indonesia	Indonesia	18765	Big
2	Fairfax	276-252-7498	1339 Lawman Avenue	NULL	Indonesia	Indonesia	4490	Big
3	Annandale	763-575-5617	4592 Hillcrest Circle	NULL	Minnesota	Wright	55302	Small
4	SCRANTON	614-433-8181	4374 James Martin Circle	NULL	Kansas	Osage	66537	Small
5	Needles	909-309-4991	3077 Parkway Street	NULL	California	San Bernardino	92363	Small