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ASSIGNMENT 2

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1. Customers => stores data customer
-

```
create table tbl_customers(  
    customerNumber int identity(1,1) primary key,  
    customerName varchar(50),  
    contactFirstName varchar(50),  
    contactLastName varchar(50),  
    phone varchar(13) unique,  
    addressLine1 varchar(100),  
    addressLine2 varchar(100),  
    city varchar(50),  
    state varchar(50),  
    postalCode int,  
    salesRepEmployeeNumber int,  
    creditLimit int  
);
```

```
insert into tbl_customers(customerName, contactFirstName, contactLastName, phone,  
addressLine1, addressLine2, city,  
state, postalCode, salesRepEmployeeNumber, creditLimit)values  
( 'Adi Putro', 'Adi', 'Putro', '086435978465', 'Jl. flamboyan', '', 'Semarang',  
'Indonesia', '65485', '2', '10000000'),  
( 'Baim Paula', 'Baim', 'Paula', '089784684625', 'Jl. flores', '', 'Brebes',  
'Indonesia', '65985', '2', '10000000'),  
( 'Ronaldo', 'Ronaldo', '', '086452194532', 'Jl. Merpati', '', 'Jakarta',  
'Indonesia', '36521', '1', '25000000'),  
( 'Mawar Melati Indah', 'Mawar', 'Melati Indah', '085556425495', 'Jl. Supratman',  
'RT 01/03', 'Semarang', 'Indonesia', '65874', '3', '10000000'),  
( 'Rafi Ahmad Dani', 'Rafi', 'Ahmad Dani', '08644135644', 'Jl. Katak', '',  
'Surabaya', 'Indonesia', '33656', '2', '15000000'),  
( 'Lestari Ningrum', 'Lestari', 'Ningrum', '088895741652', 'Jl. Sukajaya', '',  
'Medan', 'Indonesia', '65485', '1', '10000000'),
```

```
( 'Nur Cahyono Putra', 'Nur', 'Cahyono Putra', '089999657416', 'Jl. Mangga', '',
'Brebes', 'Indonesia', '65985', '2', '10000000'),
( 'Dimas Anggara', 'Dimas', 'Anggara', '086555964313', 'Jl. Merpati', '',
'Malang', 'Indonesia', '36521', '1', '25000000'),
( 'Teguh', 'Teguh', '', '086455213649', 'Jl. Harjosari', 'RT 01/03', 'Semarang',
'Indonesia', '65874', '3', '10000000'),
( 'Fadil Pradiansyah', 'Fadil', 'Pradiansyah', '087779467134', 'Jl. Merpati', '',
'Tegal', 'Indonesia', '33656', '3', '15000000');
```

Grid	customerNumber	nec_customerName	nec_contactFirstName	nec_contactLastName	nec_phone	nec_addressLine1	nec_addressLine2	nec_city	nec_state	123 postalCode	123 salesRepEmployeeNumber	123 creditLimit
1	1	Adi Putro	Adi	Putro	086435978465	Jl. flamboyan		Semarang	Indonesia	65,485	2	10,000,000
2	2	Baim Paula	Baim	Paula	089784684625	Jl. flores		Brebes	Indonesia	65,985	2	10,000,000
3	3	Ronaldo	Ronaldo		086452194532	Jl. Merpati		Jakarta	Indonesia	36,521	1	25,000,000
4	4	Mawar Melati Indah	Mawar	Melati Indah	085556425495	Jl. Supratman	RT 01/03	Semarang	Indonesia	65,874	3	10,000,000
5	5	Rafi Ahmad Dani	Rafi	Ahmad Dani	08644135644	Jl. Katak		Surabaya	Indonesia	33,656	2	15,000,000
6	6	Lestari Ningrum	Lestari	Ningrum	088895741652	Jl. Sukajaya		Medan	Indonesia	65,485	1	10,000,000
7	7	Nur Cahyono Putra	Nur	Cahyono Putra	089999657416	Jl. Mangga		Brebes	Indonesia	65,985	2	10,000,000
8	8	Dimas Anggara	Dimas	Anggara	086555964313	Jl. Merpati		Malang	Indonesia	36,521	1	25,000,000
9	9	Teguh	Teguh		086455213649	Jl. Harjosari	RT 01/03	Semarang	Indonesia	65,874	3	10,000,000
10	10	Fadil Pradiansyah	Fadil	Pradiansyah	087779467134	Jl. Merpati		Tegal	Indonesia	33,656	3	15,000,000

2. Products => stores daftar/list model product (dalam hal ini bisa mobil/motor dll)

```
create table tbl_products(
    productCode varchar(50) primary key,
    productName varchar(50),
    productLine varchar(50),
    productScale int,
    productVendor varchar(50),
    productDescription text,
    quantityInStock int,
    buyPrice int,
    MSRP int,
);
```

```
INSERT into tbl_products values
('MBL002', 'Mobil', 'Transportasi', '300', 'Toyota', 'Produk mobil', '132',
'3000000000', '3700000000'),
('MBL003', 'Mobil', 'Transportasi', '300', 'Honda', 'Produk mobil', '267',
'3000000000', '2600000000'),
('MTR001', 'Motor', 'Transportasi', '100', 'Suzuki', 'Produk motor', '78',
'1000000000', '1300000000'),
('RMH001', 'Rumah', 'Properti', '10', '99dev', 'Rumah kapling', '9', '3000000000',
'5000000000'),
('RMH002', 'Rumah', 'Properti', '15', '99dev', 'Rumah elit', '25', '6500000000',
'10000000000');
```

tbl_products | Enter a SQL expression to filter results (use Ctrl+Space)

	ABC productCode	ABC productName	ABC productLine	123 productScale	ABC productVendor	ABC productDescription	123 quantityInStock	123 buyPrice	123 MSRP
1	MBL002	Mobil	Transportasi	300	Toyota	Produk mobil	132	300,000,000	370,000,000
2	MBL003	Mobil	Transportasi	300	Honda	Produk mobil	267	300,000,000	260,000,000
3	MTR001	Motor	Transportasi	100	Suzuki	Produk motor	78	10,000,000	13,000,000
4	RMH001	Rumah	Properti	10	99dev	Rumah kapling	9	300,000,000	500,000,000
5	RMH002	Rumah	Properti	15	99dev	Rumah elit	25	650,000,000	1,000,000,000

3. Productlines => stores daftar/list kategori product

```
create table tbl_productLines(
    productLine varchar(50) primary key,
    textDescription text,
    htmlDescription text,
    image varchar(255)
);
```

```
INSERT into tbl_productLines values
('Transportasi', 'ini penjualan transportasi', '', 'gambarmbl2'),
('Properti', 'ini penjualan properti', '', 'gmbrrumah');
```

tbl_productLines | Enter a SQL expression to filter results (use Ctrl+Space)

	ABC productLine	ABC textDescription	ABC htmlDescription	ABC image
1	Properti	ini penjualan properti		gmbrrumah
2	Transportasi	ini penjualan transportasi		gambarmbl2

4. Orders => store Order Sales oleh customer

```
create table tbl_orders(
    orderNumber int identity(1,1) primary key,
    orderDate datetime,
    requireDate datetime,
    shippedDate datetime,
    status varchar(15),
    comments varchar(100),
    customerNumber int
```

```
);
```

```
INSERT into tbl_orders(orderDate, requireDate, shippedDate, status, comments,
customerNumber)values
('2020-10-15 13:25:55', '2020-10-15 17:22:12', '2020-10-15 13:25:55', 'Confirm',
'', '2'),
('2020-10-15 13:11:43', '2020-10-15 17:00:55', '2020-10-15 13:27:55', 'Confirm',
'', '5'),
('2020-10-15 13:25:55', '2020-10-15 13:25:55', '2020-10-15 13:25:55', 'Packing',
'', '4'),
('2020-7-6 13:11:43', '2020-7-15 17:00:55', '2020-7-16 13:27:55', 'Confirm',
'warna hitam', '7'),
('2020-9-22 13:25:55', '2020-9-15 13:25:55', '2020-9-16 13:25:55', 'Packing', '',
'1');
```

tbl_orders Enter a SQL expression to filter results (use Ctrl+Space)

	123 orderNumber	orderDate	requireDate	shippedDate	ABC status	ABC comments	123 customerNumber
1	1	2020-10-15 13:25:55.000	2020-10-15 17:22:12.000	2020-10-15 13:25:55.000	Confirm		2
2	2	2020-10-15 13:11:43.000	2020-10-15 17:00:55.000	2020-10-15 13:27:55.000	Confirm		5
3	3	2020-10-15 13:25:55.000	2020-10-15 13:25:55.000	2020-10-15 13:25:55.000	Packing		4
4	4	2020-07-06 13:11:43.000	2020-07-15 17:00:55.000	2020-07-16 13:27:55.000	Confirm	warna hitam	7
5	5	2020-09-22 13:25:55.000	2020-09-15 13:25:55.000	2020-09-16 13:25:55.000	Packing		1

5. OrderDetails => store Item Order sales dalam setiap order sales

```
create table tbl_orderDetails(
    orderLineNumber int identity(1,1) primary key,
    orderNumber int unique,
    productCode varchar(50),
    quantityOrdered int,
    priceEach int,
);
```

```
insert into tbl_orderDetails(orderNumber, productCode, quantityOrdered,
priceEach)values
('1', 'RMH001', '1', '500000000'),
('2', 'RMH001', '1', '500000000'),
('3', 'MBL001', '1', '450000000'),
('4', 'MBL002', '1', '370000000'),
('5', 'MTR001', '2', '250000000');
```

tbl_orderDetails | Enter a SQL expression to filter results (use Ctrl+Space)

	123 orderLineNumber	123 orderNumber	abc productCode	123 quantityOrdered	123 priceEach
1	1	1	RMH001	1	500,000,000
2	2	2	RMH001	1	500,000,000
3	3	3	MBL001	1	450,000,000
4	4	4	MBL002	1	370,000,000
5	5	5	MTR001	2	250,000,000

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

```
create table tbl_payments(
  checkNumber int identity(1,1) primary key,
  customerNumber int,
  paymentDate datetime,
  amount int
);
```

```
INSERT into tbl_payments(customerNumber, paymentDate, amount)values
('5', '2020-10-15 13:30:33', '25000000'),
('2', '2020-10-15 13:25:55', '25000000'),
('4', '2020-10-15 13:25:55', '25000000'),
('1', '2020-9-22 13:25:55', '25000000'),
('7', '2020-7-6 13:11:43', '25000000');
```

tbl_payments | Enter a SQL expression to filter results (use Ctrl+Space)

	123 checkNumber	123 customerNumber	paymentDate	123 amount
1	1	5	2020-10-15 13:30:33.000	25,000,000
2	2	2	2020-10-15 13:25:55.000	25,000,000
3	3	4	2020-10-15 13:25:55.000	25,000,000
4	4	1	2020-09-22 13:25:55.000	25,000,000
5	5	7	2020-07-06 13:11:43.000	25,000,000

-
7. Employee => store informasi karyawan dalam sebuah organisasi struktur
-

```
create table tbl_employee(
    employeeNumber int identity(1,1) primary key,
    firstName varchar(50),
    lastName varchar(50),
    extension char check(extension in('Y','N')),
    email varchar(50) unique,
    officeCode int,
    reportsTo int,
    jobTitlte varchar(50)
);
```

```
INSERT INTO tbl_employee(firstName, lastName, extension, email, officeCode,
reportsTo, jobTitlte)values
('Indah', 'Sari', 'Y', 'indah@gmail.com', '3', '4', 'Staff'),
('Bayu', 'Riyadi', 'N', 'bayu@gmail.com', '3', '4', 'Staff'),
('Afis', 'Putra', 'Y', 'afis@gmail.com', '1', '5', 'Staff'),
('Resa', 'Kumala', 'Y', 'resa@gmail.com', '2', '6', 'SPV'),
('Fahmi', 'Afianto', 'Y', 'fahmi@gmail.com', '4', '6', 'SPV'),
('Yunanda', 'Gilang', 'Y', 'gilang@gmail.com', '1', '5', 'Manager');
```

tbl_employee | Enter a SQL expression to filter results (use Ctrl+Space)

	123 employeeNumber	ABC firstName	ABC lastName	ABC extension	ABC email	123 officeCode	123 reportsTo	ABC jobTitlte
1	1	Indah	Sari	Y	indah@gmail.com	3	4	Staff
2	2	Bayu	Riyadi	N	bayu@gmail.com	3	4	Staff
3	3	Afis	Putra	Y	afis@gmail.com	1	5	Staff
4	4	Resa	Kumala	Y	resa@gmail.com	2	6	SPV
5	5	Fahmi	Afianto	Y	fahmi@gmail.com	4	6	SPV
6	6	Yunanda	Gilang	Y	gilang@gmail.com	1	5	Manager

8. Offices => store data sales office

```
create table tbl_offices(
    officeCode int identity(1,1) primary key,
    city varchar(50),
    phone varchar(13) unique,
    addressLine1 varchar(100),
    addressLine2 varchar(100),
    state varchar(50),
    postalCode int,
    territory varchar(50)
);
```

```
INSERT into tbl_offices(city, phone, addressLine1, addressLine2, state,
postalCode, territory)values
('Semarang', '021666', 'Jl. Pemuda', '', 'Indonesia', '66452', 'Indonesia' ),
('Semarang', '021645', 'Jl. Indraprasta', '', 'Indonesia', '65345', 'Indonesia'
),
('Tegal', '024689', 'Jl. batu', '', 'Indonesia', '55124', 'Indonesia' ),
('Pemalang', '056645', 'Jl. Damai', '', 'Indonesia', '11204', 'Indonesia' );
```

tbl_offices									
	officeCode	ABC city	ABC phone	ABC addressLine1	ABC addressLine2	ABC state	123 postalCode	ABC territory	
1	1	Semarang	021666	Jl. Pemuda		Indonesia	66,452	Indonesia	
2	2	Semarang	021645	Jl. Indraprasta		Indonesia	65,345	Indonesia	
3	3	Tegal	024689	Jl. batu		Indonesia	55,124	Indonesia	
4	4	Pemalang	056645	Jl. Damai		Indonesia	11,204	Indonesia	