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Tugas : Assignment 2

1. Customers => stores data customer

```
CREATE TABLE customers(  
    customerNumber INT identity(1,1) Primary Key,  
    customerName VARCHAR(50) NOT NULL,  
    contactLastName VARCHAR(50) NOT NULL,  
    contactFirstName VARCHAR(50) NOT NULL,  
    phone varchar(20) NOT NULL,  
    addressLine1 VARCHAR(100) NOT NULL,  
    addressLine2 VARCHAR(100) NOT NULL,  
    city VARCHAR(25) NOT NULL,  
    state VARCHAR(25) NOT NULL,  
    postalCode VARCHAR(10) NOT NULL,  
    country VARCHAR(50) NOT NULL,  
    salesRepEmployeeNumber VARCHAR(20) NOT NULL,  
    creditLimit INT not null  
);
```

```
INSERT INTO customers(customerName,contactLastName,  
contactFirstName,phone,addressLine1,addressLine2,city,state,postalCode,country,sal  
esRepEmployeeNumber,creditLimit)VALUES(  
'Armando','Ongko','Armando','082391435579','jl.Sripulau','jl.rawabelong','Bengkali  
s','kec.Bengkalis','28143','Riau','#2031415',20000000);
```

```
INSERT INTO customers(customerName,contactLastName,  
contactFirstName,phone,addressLine1,addressLine2,city,state,postalCode,country,sal  
esRepEmployeeNumber,creditLimit)VALUES(  
'Albedo','zagsd','Albedo','8272123','jl.perpustakaan','jl.DragonSpine','Monstads',  
'DragonSpine','12345','Teyvat','#2031343',50000000);
```

```
INSERT INTO customers(customerName,contactLastName,  
contactFirstName,phone,addressLine1,addressLine2,city,state,postalCode,country,sal  
esRepEmployeeNumber,creditLimit)VALUES(  
'Xiao','Karma','Xiao','82391235579','jl.tianQuan','jl.azhre','suhua','Liyue','1234  
2','Teyvat','#2231415',80000000);
```

```
INSERT INTO customers(customerName,contactLastName,  
contactFirstName,phone,addressLine1,addressLine2,city,state,postalCode,country,sal  
esRepEmployeeNumber,creditLimit)VALUES(  
'Kazuha','Kaedebara','Kazuha','822145579','jl.archipelago','jl.bajak  
laut','naka','Inazuma','28149','Teyvat','#2031420',15000000);
```

```
INSERT INTO customers(customerName,contactLastName,  
contactFirstName,phone,addressLine1,addressLine2,city,state,postalCode,country,sal  
esRepEmployeeNumber,creditLimit)VALUES(  
'Keqing','Neko','Keqing','0823914329422','jl.pegunungan','jl.Rex  
Lapis','Qixing','Liyue','28199','Teyvat','#2033315',25000000);
```

```
SELECT * from customers;
```

customerNumber	customerName	contactLastName	contactFirstName	phone	addressLine1	addressLine2	city
4	Armando	Ongko	Armando	082391435579	jl.Sripulau	jl.rawabelong	Bengkalis
5	Albedo	zagsd	Albedo	8272123	jl.perpustakaan	jl.DragonSpine	Monstads
6	Xiao	Karma	Xiao	82391235579	jl.tianQuan	jl.lazhre	suhua
7	Kazuha	Kaedebara	Kazuha	822145579	jl.archipelago	jl.bajak laut	naka
8	Keqing	Neko	Keqing	0823914329422	jl.pegunungan	jl.Rex Lapis	Qixing

customers
123 customerNumber
ABC customerName
ABC contactLastName
ABC contactFirstName
ABC phone
ABC addressLine1
ABC addressLine2
ABC city
ABC state
ABC postalCode
ABC country
ABC salesRepEmployeeNumber
123 creditLimit

Gambar soal no 1

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

```
CREATE TABLE products(
  productCode int identity(1,1) Primary Key,
  productName VARCHAR(50) NOT NULL,
  productLine VARCHAR(50) NOT NULL,
  productScale int NOT NULL,
  productVendor varchar(50) NOT NULL,
  productDescription text NOT NULL,
  quantityInStock int NOT NULL,
  buyPrice int NOT NULL,
  MSRP varchar(50) NOT NULL
);
```

```
INSERT into
products(productName,productLine,productScale,productVendor,productDescription,quantityInStock,buyPrice,MSRP) values
('Scarlett','Cosmetic',5,'Unilever','Bagus Bagus Bagus Bagus
Bagus',1500,48900,46000);
```

```
INSERT into
products(productName,productLine,productScale,productVendor,productDescription,quantityInStock,buyPrice,MSRP) values
('Indomie','Food & Beverage',8,'Indofood','Seleraku!',20043,2500,2300);
```

```
INSERT into
products(productName,productLine,productScale,productVendor,productDescription,quantityInStock,buyPrice,MSRP) values
('Milku','Food & Beverage',5,'IndoSusu','susu asli',5393,3000,2500);
```

INSERT into

```
products(productName,productLine,productScale,productVendor,productDescription,quantityInStock,buyPrice,MSRP) values ('Spotify','music',5,'music Ent','Dengarkan lagu',300,54900,49900);
```

INSERT into

```
products(productName,productLine,productScale,productVendor,productDescription,quantityInStock,buyPrice,MSRP) values ('Logitech Speaker','Electronic & Komputer',8,'Logitech Indonesia','Ceria Ceria',300,159000,146000);
```

productCode	ABC productName	ABC productLine	123 productScale	ABC productVendor	ABC productDescription	123 quantityInStock	123 b
1	Scarlett	Cosmetic	5	Unilever	Bagus Bagus Bagus Bagus Bagus	1,500	
2	Indomie	Food & Beverage	8	Indofood	Seleraku!	20,043	
3	Milku	Food & Beverage	5	IndoSusu	susu asli	5,393	
4	Spotify	music	5	music Ent	Dengarkan lagu	300	
5	Logitech Speaker	Electronic & Komputer	8	Logitech Indonesia	Ceria Ceria	300	

products
123 productCode
ABC productName
ABC productLine
123 productScale
ABC productVendor
ABC productDescription
123 quantityInStock
123 buyPrice
ABC MSRP

Gambar Soal no 2

3. Productlines => stores daftar/list kategori product

```
CREATE TABLE productlines(  
    productLine int identity(1,1) Primary Key,  
    textDescription text not NULL,  
    htmlDescription text NOT NULL,  
    image varchar(255) NOT NULL  
);
```

```
INSERT into productlines (textDescription,htmlDescription,[image]) values('Food & Beverage','food.html','asdkeofggnakdsadahsjf.jpg');
```

```
INSERT into productlines (textDescription,htmlDescription,[image])  
values('Cosmetic','cosmetic.html','lldfpegkokfaodj.jpg');
```

```
INSERT into productlines (textDescription,htmlDescription,[image])  
values('Games','games.html','askdoegjeajdkjknraww.jpg');
```

```
INSERT into productlines (textDescription,htmlDescription,[image])  
values('Music','music.html','askdeiofgkgekgasf.jpg');
```

```
INSERT into productlines (textDescription,htmlDescription,[image])  
values('Sport','sport.html','ajkigjtroehwbewjr.jpg');
```

123 productLine	ABC textDescription	ABC htmlDescription	ABC image
1	Food & Beverage	food.html	asdkeofggnakdsadahsjf.jpg
2	Cosmetic	cosmetic.html	lldfpegkokfaodj.jpg
3	Games	games.html	askdoegjeajdkjknraww.jpg
4	Music	music.html	askdeiofgkgekgasf.jpg
5	Sport	sport.html	ajkigjtroehtbewjr.jpg

productlines
123 productLine
ABC textDescription
ABC htmlDescription
ABC image

Gambar Soal no 3

4. Orders => store Order Sales oleh customer

```
CREATE TABLE orders(
  orderNumber int identity(1,1) Primary Key,
  orderDate DATE NOT NULL,
  requiredDate DATE NOT NULL,
  shippedDate DATE NOT NULL,
  status varchar(10) NOT NULL,
  comments varchar(255) NOT NULL,
  customerNumber int NOT NULL
);
```

```
INSERT into orders
(orderDate,requiredDate,shippedDate,status,comments,customerNumber) values('2021-
10-20','2021-10-25',
'2021-10-21','Shipping','Segera diproses',1);
```

```
INSERT into orders
(orderDate,requiredDate,shippedDate,status,comments,customerNumber) values('2021-
10-21','2021-10-26',
'2021-10-22','W.Payment','menunggu pembayaran',2);
```

```
INSERT into orders
(orderDate,requiredDate,shippedDate,status,comments,customerNumber) values('2021-
10-22','2021-10-27',
'2021-10-23','Shipping','sedang diantar kurir',3);
```

```
INSERT into orders
(orderDate,requiredDate,shippedDate,status,comments,customerNumber) values('2021-
10-23','2021-10-28',
'2021-10-24','Delivered','Telah diterima atas nama Armando',4);
```

```
INSERT into orders
(orderDate,requiredDate,shippedDate,status,comments,customerNumber) values('2021-
10-24','2021-10-29',
'2021-10-26','Shipping','Segera diproses ekspedisi',5);
```

orderNumber	orderDate	requiredDate	shippedDate	status	comments	customerNumber
1	2021-10-20	2021-10-25	2021-10-21	Shipping	Segera diproses	1
3	2021-10-22	2021-10-27	2021-10-23	Shipping	sedang diantar kurir	3
4	2021-10-23	2021-10-28	2021-10-24	Delivered	Telah diterima atas nama Armando	4
5	2021-10-24	2021-10-29	2021-10-26	Shipping	Segera diproses ekspedisi	5
8	2021-10-21	2021-10-26	2021-10-22	W.Payment	menunggu pembayaran	2

orders

123 orderNumber

orderDate

requiredDate

shippedDate

status

comments

123 customerNumber

Gambar Soal no 4

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

```
CREATE TABLE orderdetails(
  orderNumber int identity(1,1) Primary Key,
  productCode int NOT NULL,
  quantityOrdered int NOT NULL,
  priceEach int NOT NULL,
  orderLineNumber varchar(50) NOT NULL
);
```

```
INSERT into orderdetails (productCode,quantityOrdered,priceEach,orderLineNumber)
values(2001,3,49000,'#kd03492');
```

```
INSERT into orderdetails (productCode,quantityOrdered,priceEach,orderLineNumber)
values(2002,69,3000,'#kd05543');
```

```
INSERT into orderdetails (productCode,quantityOrdered,priceEach,orderLineNumber)
values(2003,6,10000,'#kd04956');
```

```
INSERT into orderdetails (productCode,quantityOrdered,priceEach,orderLineNumber)
values(2004,100,500,'#kd96569');
```

```
INSERT into orderdetails (productCode,quantityOrdered,priceEach,orderLineNumber)
values(2005,2,39999,'#kd12345');
```

123 orderNumber	123 productCode	123 quantityOrdered	123 priceEach	ABC orderLineNumber
1	2,001	3	49,000	#kd03492
2	2,002	69	3,000	#kd05543
3	2,003	6	10,000	#kd04956
4	2,004	100	500	#kd96569
5	2,005	2	39,999	#kd12345

orderdetails
123 orderNumber
123 productCode
123 quantityOrdered
123 priceEach
ABC orderLineNumber

Gambar Soal no 5

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

```
CREATE TABLE payments(
  customerNumber int identity(1,1) ,
  checkNumber VARCHAR(50) not null,
  PaymentDate Date NOT NULL,
  amount int NOT NULL,
  primary key (customerNumber,checkNumber)
);
```

```
INSERT into payments (checkNumber,PaymentDate,amount) values('#B20334','2021-10-20',5932);
```

```
INSERT into payments (checkNumber,PaymentDate,amount) values('#B20236','2021-10-21',10);
```

```
INSERT into payments (checkNumber,PaymentDate,amount) values('#B29532','2021-10-22',492);
```

```
INSERT into payments (checkNumber,PaymentDate,amount) values('#B20605','2021-10-23',94);
```

```
INSERT into payments (checkNumber,PaymentDate,amount) values('#B20900','2021-10-24',20);
```

customerNumber	ABC checkNumber	PaymentDate	123 amount
1	#B20334	2021-10-20	5,932
2	#B20236	2021-10-21	10
3	#B29532	2021-10-22	492
4	#B20605	2021-10-23	94
5	#B20900	2021-10-24	20

payments	
123	customerNumber
ABC	checkNumber
🕒	PaymentDate
123	amount

Gambar Soal no 6

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

```
CREATE TABLE employee(
  employeeNumber int identity(1,1) Primary Key,
  lastName VARCHAR(50) NOT NULL,
  firstName VARCHAR(50) NOT NULL,
  extension varchar(50) NOT NULL,
  email varchar(50) NOT NULL,
  officeCode varchar(10) NOT NULL,
  reportsTo varchar(25) NOT NULL,
  jobTitle varchar(25) NOT NULL,
);
```

```
INSERT into employee
(lastName,firstName,extension,email,officeCode,reportsTo,jobTitle)
values('ongko','armando','Manager',
'arm@ocobc.com','N2001','Jimin','Chief Technology Officer');
```

```
INSERT into employee
(lastName,firstName,extension,email,officeCode,reportsTo,jobTitle)
values('siregar','david','IT Staff',
'siregar@ocobc.com','N2002','Armando','Software Engineer Staff');
```

```
INSERT into employee
(lastName,firstName,extension,email,officeCode,reportsTo,jobTitle)
values('gadgetin','david','Content Creator',
'davic@ocobc.com','N2003','iqbal','Youtube Content Creator');
```

```
INSERT into employee
(lastName,firstName,extension,email,officeCode,reportsTo,jobTitle)
values('pengerti','budi','IT Staff',
'budi@ocobc.com','N2004','Eka','Senior Engineer Staff');
```

```
INSERT into employee
(lastName,firstName,extension,email,officeCode,reportsTo,jobTitle)
values('Cahyadi','Eka','Manager',
'eka@ocobc.com','N2005','Darwin','IT Manager Staff');
```

employeeNumber	lastName	firstName	extension	email	officeCode	reportsTo	jobTitle
1	ongko	armando	Manager	arm@ocobc.com	N2001	Jimin	Chief Technology Officer
2	siregar	david	IT Staff	siregar@ocobc.com	N2002	Armando	Software Engineer Staff
3	gadgetin	david	Content Creator	davic@ocobc.com	N2003	iqbal	Youtube Content Creator
6	pengerti	budi	IT Staff	budi@ocobc.com	N2004	Eka	Senior Engineer Staff
7	Cahyadi	Eka	Manager	eka@ocobc.com	N2005	Darwin	IT Manager Staff

employee
123 employeeNumber
ABC lastName
ABC firstName
ABC extension
ABC email
ABC officeCode
ABC reportsTo
ABC jobTitle

Gambar Soal No 7

8. Offices => store data sales office

```
CREATE TABLE offices(
  officeCode int identity(1,1) Primary Key,
  city VARCHAR(50) NOT NULL,
  phone VARCHAR(50) NOT NULL,
  addressLine1 VARCHAR(100) NOT NULL,
  addressLine2 VARCHAR(100) NOT NULL,
  state VARCHAR(25) NOT NULL,
  country VARCHAR(50) NOT NULL,
  postalCode VARCHAR(10) NOT NULL,
  territory varchar(20) not null
);
```

```
INSERT into offices
(city,phone,addressLine1,addressLine2,state,country,postalCode,territory)
values('Jakarta selatan','782353',
'j1.satrio','j1.sripulau','setia budi','siak','12039','Jaksel');
```

```
INSERT into offices
(city,phone,addressLine1,addressLine2,state,country,postalCode,territory)
values('Jakarta utara','2344512',
'j1.satria','j1.s.kasim','pambang','rawabelong','53221','Monstads');
```

```
INSERT into offices
(city,phone,addressLine1,addressLine2,state,country,postalCode,territory)
values('Jakarta timur','534645',
'j1.employee','j1.sudirman','bantan','pademangan','24652','Liyue');
```

```
INSERT into offices
(city,phone,addressLine1,addressLine2,state,country,postalCode,territory)
values('Jakarta pusat','345322',
'j1.bunga','j1.hangtuah','wonosari','sungai putih','28734','Inazuma');
```

```
INSERT into offices
(city,phone,addressLine1,addressLine2,state,country,postalCode,territory)
values('Jakarta barat','67456334',
'j1.sial','j1.antara','tanjung palu','selat baru','284523','Sumeru');
```


officeCode	city	phone	addressLine1	addressLine2	state	country	postalCode	territory
1	Jakarta selatan	782353	jl.satrio	jl.sripulau	setia budi	siak	12039	Jaksel
2	Jakarta utara	2344512	jl.satria	jl.s.kasim	pambang	rawabelong	53221	Monstads
3	Jakarta timur	534645	jl.employee	jl.sudirman	bantan	pademangan	24652	Liyue
4	Jakarta pusat	345322	jl.bunga	jl.hangtuah	wonosari	sungai putih	28734	Inazuma
5	Jakarta barat	67456334	jl.sial	jl.antara	tanjung palu	selat baru	284523	Sumeru

offices
123 officeCode
city
phone
addressLine1
addressLine2
state
country
postalCode
territory

Gambar Soal no 8