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Kode Peserta : FSDO001ONL005

Tugas : Assignment 2

Query:

```
CREATE DATABASE BANK_DB
```

```
create table productLines(  
productLine int identity(1,1) primary key NOT NULL,  
textDescription varchar(100),  
htmlDescription varchar(100),  
image varchar(100)  
);
```

```
create table products(  
productCode int identity(1,1) NOT NULL,  
productName varchar(100),  
productLine int NOT NULL,  
productScale varchar(50),  
productVendor varchar(50),  
productDescription varchar(250),  
qtyInStock int,  
buyPrice int,  
MSRP varchar(50),  
primary key (productCode),  
foreign key (productLine) references productLines(productLine)  
)
```

```
create table offices(  
officeCode int identity(1,1) NOT NULL,  
city varchar(50),
```

```
phone varchar(13),  
addressLine1 varchar(50),  
addressLine2 varchar(50),  
state varchar(50),  
country varchar(50),  
postalcode int,  
territory varchar(50),  
primary key (officeCode)  
)
```

```
create table employees(  
employeeNumber int identity(1,1) NOT NULL,  
lastName varchar(50),  
firstName varchar(50),  
extension varchar(10),  
email varchar(50),  
officeCode int,  
reportsTO int,  
jobTitle varchar(50),  
primary key (employeeNumber),  
foreign key (officeCode) references offices(officeCode),  
foreign key (reportsTO) references employees(employeeNumber)  
)
```

```
create table customers(  
customerNumber int identity(1,1) NOT NULL,  
customerName varchar(100),  
contactLastName varchar(100),  
contactFirstName varchar(100),  
phone varchar(14),  
addressLine1 varchar(100),
```

```
addressLine2 varchar(100),
city varchar(50),
state varchar(50),
postalCode int,
country varchar(50),
salesRepEmployeeNumber int NOT NULL,
creditLimit int,
primary key (customerNumber),
foreign key (salesRepEmployeeNumber) references employees(employeeNumber)
)
```

```
create table payments(
customerNumber int NOT NULL,
checkNumber int identity(1,1) NOT NULL,
paymentDate date,
amount float,
primary key (customerNumber, checkNumber))
```

```
create table orders(
orderNumber int identity(1,1) NOT NULL,
orderDate date,
requiredDate date,
shippedDate date,
status varchar(10),
comments varchar(100),
customerNumber int NOT NULL,
primary key (orderNumber),
foreign key (customerNumber) references customers(customerNumber)
)
```

```
create table orderdetails(
```

```
orderNumber int NOT NULL,  
productCode int NOT NULL,  
quantityOrdered int,  
priceEach int,  
orderLineNumber int,  
primary key (orderNumber , productCode),  
foreign key (orderNumber) references orders(orderNumber),  
foreign key (productCode) references products(productCode)  
)
```

```
--productLines
```

```
insert into productLines (textDescription, htmlDescription, image) values ('entah', 'https', 'aasdasd');
```

```
insert into productLines (textDescription, htmlDescription, image) values ('entah1', 'https',  
'aasdasd');
```

```
insert into productLines (textDescription, htmlDescription, image) values ('entah2', 'https',  
'aasdasd');
```

```
insert into productLines (textDescription, htmlDescription, image) values ('entah3', 'https',  
'aasdasd');
```

```
insert into productLines (textDescription, htmlDescription, image) values ('entah4', 'https',  
'aasdasd');
```

```
--products
```

```
insert into products (productName, productLine, productScale, productVendor,productDescription,  
qtyInStock, buyPrice, MSRP)
```

```
values ('Houndah', 1, '3x4', 'Suzuki', 'mobile', 30, 30000, 'asdasd');
```

```
insert into products (productName, productLine, productScale, productVendor,productDescription,  
qtyInStock, buyPrice, MSRP)
```

```
values ('Houndah1', 1, '3x4', 'Suzuki', 'mobile', 30, 30000, 'asdasd');
```

```
insert into products (productName, productLine, productScale, productVendor,productDescription,  
qtyInStock, buyPrice, MSRP)
```

```
values ('Houndah1', 2, '3x4', 'Suzuki', 'mobile', 30, 30000, 'asdasd');
```

```
insert into products (productName, productLine, productScale, productVendor,productDescription,  
qtyInStock, buyPrice, MSRP)
```

```
values ('Houndah1', 2, '3x4', 'Suzuki', 'mobile', 30, 30000, 'asdasd');
```

```
insert into products (productName, productLine, productScale, productVendor,productDescription,
qtyInStock, buyPrice, MSRP)
```

```
values ('Houndah1', 3, '3x4', 'Suzuki', 'mobile', 30, 30000, 'asdasd');
```

```
--offices
```

```
insert into offices (city, phone,addressLine1, addressLine2, state,country,postalcode,territory)
```

```
values ('jkt', '018282349234','asd', 'asd', 'javaa', 'indonesia', 14450, 'jakarta utara')
```

```
insert into offices (city, phone,addressLine1, addressLine2, state,country,postalcode,territory)
```

```
values ('jkt1', '018282349234','asd', 'asd', 'javaa', 'indonesia', 14450, 'jakarta utara')
```

```
insert into offices (city, phone,addressLine1, addressLine2, state,country,postalcode,territory)
```

```
values ('jkt2', '018282349234','asd', 'asd', 'javaa', 'indonesia', 14450, 'jakarta utara')
```

```
insert into offices (city, phone,addressLine1, addressLine2, state,country,postalcode,territory)
```

```
values ('jkt3', '018282349234','asd', 'asd', 'javaa', 'indonesia', 14450, 'jakarta utara')
```

```
insert into offices (city, phone,addressLine1, addressLine2, state,country,postalcode,territory)
```

```
values ('jkt4', '018282349234','asd', 'asd', 'javaa', 'indonesia', 14450, 'jakarta utara')
```

```
--employees
```

```
insert into employees (lastName, firstName, extension, email, officeCode, reportsTo, jobTitle)
```

```
values ('Nel', 'Ant', '0123', 'asd@gmail.com', 1, NULL, 'Senior Developer')
```

```
insert into employees (lastName, firstName, extension, email, officeCode, reportsTo, jobTitle)
```

```
values ('Nel1', 'Ant', '0123', 'asd@gmail.com', 1, 5, 'Junior Developer')
```

```
insert into employees (lastName, firstName, extension, email, officeCode, reportsTo, jobTitle)
```

```
values ('Nel2', 'Ant', '0123', 'asd@gmail.com', 1, 5, 'Junior Developer')
```

```
insert into employees (lastName, firstName, extension, email, officeCode, reportsTo, jobTitle)
```

```
values ('Nel3', 'Ant', '0123', 'asd@gmail.com', 1, 2, 'intern Developer')
```

```
insert into employees (lastName, firstName, extension, email, officeCode, reportsTo, jobTitle)
```

```
values ('Nel4', 'Ant', '0123', 'asd@gmail.com', 1, 2, 'intern Developer')
```

```
--customers
```

```
insert into customers (customerName, contactLastName,
```

```
contactFirstName, phone, addressLine1,addressLine2,
```

```
city, state, postalCode, country, salesRepEmployeeNumber,  
creditLimit)
```

```
values ('kuro', 'dya', 'na', '123123132', 'asd', '', 'jkt', 'java', 14450, 'indoneisa', 5, 30000)
```

```
insert into customers (customerName, contactLastName,  
contactFirstName, phone, addressLine1,addressLine2,  
city, state, postalCode, country, salesRepEmployeeNumber,  
creditLimit)
```

```
values ('kuro1', 'dya', 'na', '123123132', 'asd', '', 'jkt', 'java', 14450, 'indoneisa', 6, 30000)
```

```
insert into customers (customerName, contactLastName,  
contactFirstName, phone, addressLine1,addressLine2,  
city, state, postalCode, country, salesRepEmployeeNumber,  
creditLimit)
```

```
values ('kuro2', 'dya', 'na', '123123132', 'asd', '', 'jkt', 'java', 14450, 'indoneisa', 7, 30000)
```

```
insert into customers (customerName, contactLastName,  
contactFirstName, phone, addressLine1,addressLine2,  
city, state, postalCode, country, salesRepEmployeeNumber,  
creditLimit)
```

```
values ('kuro3', 'dya', 'na', '123123132', 'asd', '', 'jkt', 'java', 14450, 'indoneisa', 8, 30000)
```

```
insert into customers (customerName, contactLastName,  
contactFirstName, phone, addressLine1,addressLine2,  
city, state, postalCode, country, salesRepEmployeeNumber,  
creditLimit)
```

```
values ('kuro4', 'dya', 'na', '123123132', 'asd', '', 'jkt', 'java', 14450, 'indoneisa', 8, 30000)
```

```
--payments
```

```
insert into payments (customerNumber, paymentDate, amount)
```

```
values (1, '2021/10/13', 50000)
```

```
insert into payments (customerNumber, paymentDate, amount)
```

```
values (2, '2021/10/13', 30000)
```

```
insert into payments (customerNumber, paymentDate, amount)
```

```
values (3, '2021/10/15', 70000)
```

```
insert into payments (customerNumber, paymentDate, amount)
```

```
values (1, '2021/10/15', 30000)
```

```
--orders
```

```
insert into orders (orderDate, requiredDate, shippedDate, status, comments, customerNumber)
```

```
values ('2021/9/21', '2021/9/23', '2021/9/25', 'shipped', '-', 1)
```

```
insert into orders (orderDate, requiredDate, shippedDate, status, comments, customerNumber)
```

```
values ('2021/9/21', '2021/9/23', '2021/9/25', 'recieved', '-', 2)
```

```
insert into orders (orderDate, requiredDate, shippedDate, status, comments, customerNumber)
```

```
values ('2021/9/21', '2021/9/23', '2021/9/25', 'shipped', '-', 3)
```

```
insert into orders (orderDate, requiredDate, shippedDate, status, comments, customerNumber)
```

```
values ('2021/9/21', '2021/9/23', '2021/9/25', 'recieved', '-', 4)
```

```
--orderdetails
```

```
insert into orderdetails (orderNumber, productCode, quantityOrdered, priceEach, orderLineNumber)
```

```
values (1, 1, 30, 30000, 1)
```

```
insert into orderdetails (orderNumber, productCode, quantityOrdered, priceEach, orderLineNumber)
```

```
values (2, 2, 30, 90000, 2)
```

```
insert into orderdetails (orderNumber, productCode, quantityOrdered, priceEach, orderLineNumber)
```

```
values (3, 3, 30, 70000, 3)
```

```
insert into orderdetails (orderNumber, productCode, quantityOrdered, priceEach, orderLineNumber)
```

```
values (4, 4, 30, 40000, 6)
```

No. 1 Customer => stores data customer

```
assignment2.sql - ....304CJ0C\ASUS (66))*  SQLQuery3.sql - DE...304CJ0C\ASUS (60))* -p X
insert into customers (customerName, contactLastName,
contactFirstName, phone, addressLine1, addressLine2,
city, state, postalCode, country, salesRepEmployeeNumber,
creditLimit)
values ('kuro1', 'dya', 'na', '123123132', 'asd', '', 'jkt', 'java', 14450, 'indoneisa', 6, 30000)

insert into customers (customerName, contactLastName,
contactFirstName, phone, addressLine1, addressLine2,
city, state, postalCode, country, salesRepEmployeeNumber,
creditLimit)
values ('kuro2', 'dya', 'na', '123123132', 'asd', '', 'jkt', 'java', 14450, 'indoneisa', 7, 30000)

insert into customers (customerName, contactLastName,
contactFirstName, phone, addressLine1, addressLine2,
city, state, postalCode, country, salesRepEmployeeNumber,
creditLimit)
values ('kuro3', 'dya', 'na', '123123132', 'asd', '', 'jkt', 'java', 14450, 'indoneisa', 8, 30000)

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Messages

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Completion time: 2021-10-13T17:31:13.0185008+07:00
```

No. 2 Products => stores daftar/list model product (dalam hal ini bisa mobil/motor dll)

```
assignment2.sql - ....304CJ0C\ASUS (66))* -p X
insert into productlines (textDescription, htmlDescription, image) values ('entah2', 'https', 'aasdasd');
insert into productlines (textDescription, htmlDescription, image) values ('entah3', 'https', 'aasdasd');
insert into productlines (textDescription, htmlDescription, image) values ('entah4', 'https', 'aasdasd');

insert into products (productName, productLine, productScale, productVendor, productDescription, qtyInStock, buyPrice, MSRP)
values ('Houndah', 1, '3x4', 'Suzuki', 'mobile', 30, 30000, 'asdasd');
insert into products (productName, productLine, productScale, productVendor, productDescription, qtyInStock, buyPrice, MSRP)
values ('Houndah1', 1, '3x4', 'Suzuki', 'mobile', 30, 30000, 'asdasd');
insert into products (productName, productLine, productScale, productVendor, productDescription, qtyInStock, buyPrice, MSRP)
values ('Houndah1', 2, '3x4', 'Suzuki', 'mobile', 30, 30000, 'asdasd');
insert into products (productName, productLine, productScale, productVendor, productDescription, qtyInStock, buyPrice, MSRP)
values ('Houndah1', 2, '3x4', 'Suzuki', 'mobile', 30, 30000, 'asdasd');
insert into products (productName, productLine, productScale, productVendor, productDescription, qtyInStock, buyPrice, MSRP)
values ('Houndah1', 3, '3x4', 'Suzuki', 'mobile', 30, 30000, 'asdasd');

select * from productLines

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```

No. 3 Productlines => stores daftar/list kategori product


```
assignment2.sql -...-304CJ0C\ASUS (66))* X
orderLineNumber int,
primary key (orderNumber , productCode),
foreign key (orderNumber) references orders(orderNumber),
foreign key (productCode) references products(productCode)
)

insert into productLines (textDescription, htmlDescription, image) values ('entah', 'https', 'aasdasd');
insert into productLines (textDescription, htmlDescription, image) values ('entah1', 'https', 'aasdasd');
insert into productLines (textDescription, htmlDescription, image) values ('entah2', 'https', 'aasdasd');
insert into productLines (textDescription, htmlDescription, image) values ('entah3', 'https', 'aasdasd');
insert into productLines (textDescription, htmlDescription, image) values ('entah4', 'https', 'aasdasd');

select * from productLines

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```

No. 4 Orders => store Order Sales oleh customer

```
assignment2.sql -...-304CJ0C\ASUS (66))* SQLQuery3.sql - DE...304CJ0C\ASUS (60))* X
requiredDate, shippedDate, status, comments, customerNumber)
23', '2021/9/25', 'shipped', '-', 1)
requiredDate, shippedDate, status, comments, customerNumber)
23', '2021/9/25', 'recieved', '-', 2)
requiredDate, shippedDate, status, comments, customerNumber)
23', '2021/9/25', 'shipped', '-', 3)
requiredDate, shippedDate, status, comments, customerNumber)
23', '2021/9/25', 'recieved', '-', 4)

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Messages

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Completion time: 2021-10-13T17:41:06.3438182+07:00
```

No. 5 OrderDetails => store Item Order sales dalam setiap order sales

```
--orderdetails
insert into orderdetails (orderNumber, productCode, quantityOrdered, priceEach, orderLineNumber)
values (1, 1, 30, 30000, 1)
insert into orderdetails (orderNumber, productCode, quantityOrdered, priceEach, orderLineNumber)
values (2, 2, 30, 90000, 2)
insert into orderdetails (orderNumber, productCode, quantityOrdered, priceEach, orderLineNumber)
values (3, 3, 30, 70000, 3)
insert into orderdetails (orderNumber, productCode, quantityOrdered, priceEach, orderLineNumber)
values (4, 4, 30, 40000, 6)

select * from orders
```

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No. 6 Payments => store Pembayaran oleh customer sesuai dengan akun pembayaran

```
--payments
insert into payments (customerNumber, paymentDate, amount)
values (1, '2021/10/13', 50000)
insert into payments (customerNumber, paymentDate, amount)
values (2, '2021/10/13', 30000)
insert into payments (customerNumber, paymentDate, amount)
values (3, '2021/10/15', 70000)
insert into payments (customerNumber, paymentDate, amount)
values (1, '2021/10/15', 30000)

select * from customers
```

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No. 7 Employee => store informasi karyawan dalam sebuah organisasi struktur

```
assignment2.sql -...-304CJ0C\ASUS (66))* SQLQuery3.sql - DE...304CJ0C\ASUS (60))* -p X
insert into employees (lastName, firstName, extension, email, officeCode, reportsTo, jobTitle)
values ('Nel1', 'Ant', '0123', 'asd@gmail.com', 1, NULL, 'Senior Developer')
insert into employees (lastName, firstName, extension, email, officeCode, reportsTo, jobTitle)
values ('Nel1', 'Ant', '0123', 'asd@gmail.com', 1, 1, 'Junior Developer')
insert into employees (lastName, firstName, extension, email, officeCode, reportsTo, jobTitle)
values ('Nel2', 'Ant', '0123', 'asd@gmail.com', 1, 1, 'Junior Developer')
insert into employees (lastName, firstName, extension, email, officeCode, reportsTo, jobTitle)
values ('Nel3', 'Ant', '0123', 'asd@gmail.com', 1, 2, 'Intern Developer')
insert into employees (lastName, firstName, extension, email, officeCode, reportsTo, jobTitle)
values ('Nel4', 'Ant', '0123', 'asd@gmail.com', 1, 2, 'Intern Developer')

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```

No. 8 Offices => store data sales office

```
assignment2.sql -...-304CJ0C\ASUS (66))* -p X
insert into products (productName, productLine, productScale, productVendor, productDescription, qtyInStock, buyPrice, MSRP)
values ('Houndah1', 2, '3x4', 'Suzuki', 'mobile', 30, 30000, 'asdasd');
insert into products (productName, productLine, productScale, productVendor, productDescription, qtyInStock, buyPrice, MSRP)
values ('Houndah1', 2, '3x4', 'Suzuki', 'mobile', 30, 30000, 'asdasd');
insert into products (productName, productLine, productScale, productVendor, productDescription, qtyInStock, buyPrice, MSRP)
values ('Houndah1', 3, '3x4', 'Suzuki', 'mobile', 30, 30000, 'asdasd');
insert into offices (city, phone, addressLine1, addressLine2, state, country, postalcode, territory)
values ('jkt', '018282349234', 'asd', 'asd', 'javaa', 'indonesia', 14450, 'jakarta utara');
insert into offices (city, phone, addressLine1, addressLine2, state, country, postalcode, territory)
values ('jkt1', '018282349234', 'asd', 'asd', 'javaa', 'indonesia', 14450, 'jakarta utara');
insert into offices (city, phone, addressLine1, addressLine2, state, country, postalcode, territory)
values ('jkt2', '018282349234', 'asd', 'asd', 'javaa', 'indonesia', 14450, 'jakarta utara');
insert into offices (city, phone, addressLine1, addressLine2, state, country, postalcode, territory)
values ('jkt3', '018282349234', 'asd', 'asd', 'javaa', 'indonesia', 14450, 'jakarta utara');
insert into offices (city, phone, addressLine1, addressLine2, state, country, postalcode, territory)
values ('jkt4', '018282349234', 'asd', 'asd', 'javaa', 'indonesia', 14450, 'jakarta utara');

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```