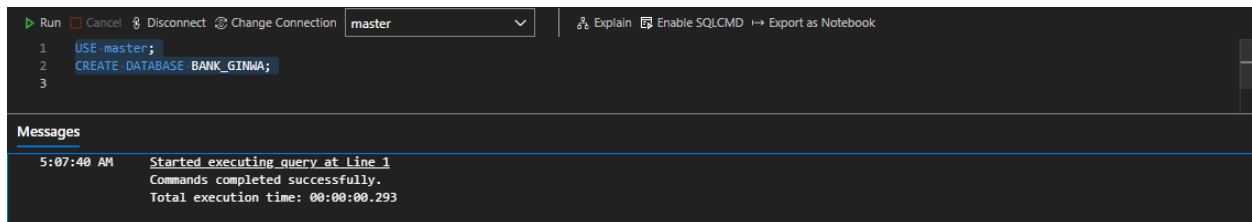


Nama : Gilang Trisetya Indrawan  
Kode Peserta : FSDO002ONL018  
Email : [gilangtrisetya123@gmail.com](mailto:gilangtrisetya123@gmail.com)  
Tools : Azure Data Studio, MS SQL SERVER 2017

1. Buat Database BANK\_GINWA

Query:

```
USE master;  
CREATE DATABASE BANK_GINWA;
```



2. Buat Table productLines, lalu insert data

Query:

```
DROP TABLE IF EXISTS productLines;  
CREATE TABLE productLines  
(  
    productLine INT NOT NULL PRIMARY KEY IDENTITY(1,1),  
    textDescription TEXT NULL,  
    htmlDescription VARCHAR(255) NULL,  
    image VARCHAR(255) NULL  
);  
INSERT INTO productLines  
    (textDescription)  
VALUES  
    ( 'Otomotif'),  
    ( 'Meja'),  
    ( 'Handphone'),  
    ( 'Fashion'),  
    ( 'Komputer'),  
    ( 'Buku'),  
    ( 'Alat Tulis'),  
    ( 'Alat Make up'),  
    ( 'Jam tangan'),  
    ( 'Makanan ');  
SELECT *  
FROM productLines;
```

Run Cancel Disconnect Change Connection BANK\_GINWA Explain Enable SQLCMD Export as Notebook

```

1 DROP TABLE IF EXISTS productLines;
2 CREATE TABLE productLines
3 (
4     productLine INT NOT NULL PRIMARY KEY IDENTITY(1,1),
5     textDescription TEXT NULL,
6     htmlDescription VARCHAR(255) NULL,
7     image VARCHAR(255) NULL
8 );
9 INSERT INTO productLines
10 (textDescription)
11 VALUES
12 ( 'Otomotif'),
13 ( 'Meja'),
14 ( 'Handphone'),
15 ( 'Fashion'),
16 ( 'Komputer'),
17 ( 'Buku')

```

**Results** Messages

	productLine	textDescription	htmlDescription	image
1	1	Otomotif	NULL	NULL
2	2	Meja	NULL	NULL
3	3	Handphone	NULL	NULL
4	4	Fashion	NULL	NULL
5	5	Komputer	NULL	NULL
6	6	Buku	NULL	NULL
7	7	Alat Tulis	NULL	NULL
8	8	Alat Make up	NULL	NULL
9	9	Jam tangan	NULL	NULL
10	10	Makanan	NULL	NULL

3. Buat table products, lalu insert data

Query:

```

DROP TABLE IF EXISTS products;
CREATE TABLE products
(
    productCode VARCHAR(50) NOT NULL PRIMARY KEY ,
    productName VARCHAR(25) NOT NULL,
    productLine INT NOT NULL FOREIGN KEY REFERENCES productLines(productLine) ,
    productScale VARCHAR(25) NOT NULL,
    productVendor VARCHAR(25) NOT NULL,
    productDescription TEXT NOT NULL,
    quantityInStock INT NOT NULL,
    buyPrice DECIMAL NOT NULL,
    MSRP DECIMAL NOT NULL,-- manufacturer suggested retail price aka harga eceran aka harga jual
);
INSERT INTO products
(productCode, productName, productLine, productScale, productVendor, productDescription,
quantityInStock, buyPrice, MSRP)
VALUES
('AAS2314FS', 'Sedan A423 Gemerlap' , '1', 'Bagus', 'Tesca',
'Sedang A423 merupakan mobil automobile dengan kecerdasan buatan', '20', '2000', '3000'),
('AZSDS4FS', 'PICKUP ADV23 Gemerlap' , '1', 'Sangat Bagus', 'BNSD',
'PICKUP ADV23 merupakan mobil automobile dengan kecerdasan buatan', '20', '1000', '5000'),
('AMNLSDDSD', 'Smartphone Model J' , '3', 'Sangat Bagus', 'BNSD',
'Smartphone Model merupakan smartphone bestseller di dunia', '20', '1000', '3000'),
('SDLLMASA', 'Gujii' , '4', 'Bagus', 'BNSD',
'Gujii merupakan tas dengan kecerdasan buatan', '20', '1000', '3000'),
('DSMASLSS', 'BSDDDC' , '5', 'Sangat Bagus', 'BNSD',
'AASJDS merupakan komputer keamanan kecerdasan buatan', '20', '1000', '3000'),

```

```

('ASVNXLX', 'Binder Tipe Z' , '6', 'Sangat Bagus', 'JSND',
 'Binder tipe Z merupakan buku dengan kualitas anti terbakar', '20', '2000', '6000'),
('MVOASKDS', 'Pensil Z' , '7', 'Sangat Bagus', 'SVXZ',
 'Pensil Z merupakan Pensil dengan dengan bahan karbon terbaik di dunia', '20', '3000', '7000'),
('ASVSDAS', 'GH Glow' , '8', 'Sangat Bagus', 'XCAS',
 'GH Glow merupakan Skin care yang dapat membuat kulit glow up dalam hitungan detik', '20', '2000',
 '3000'),
('SADASPJJ', 'Smartwatch tipe z' , '9', 'Sangat Bagus', 'MFLS',
 'Smartwatch tipe z merupakan jam dengan kemampuan tahan air dan api', '20', '1000', '3000'),
('SDODVJOD', 'Ayam Paha food' , '10', 'Sangat Bagus', 'OKDS',
 'Ayam Paha food merupakan merupakan makan yang mengandung protein, vitamin a, b, c, d, e', '20', '
4000', '6000');
SELECT *
FROM products;

```

Run Cancel Disconnect Change Connection BANK\_GINWA Explain Enable SQLCMD Export as Notebook

```

1 DROP TABLE IF EXISTS products;
2 CREATE TABLE products
3 (
4     productCode VARCHAR(50) NOT NULL PRIMARY KEY ,
5     productName VARCHAR(25) NOT NULL,
6     productLine INT NOT NULL FOREIGN KEY REFERENCES productLines(productLine) ,
7     productScale VARCHAR(25) NOT NULL,
8     productVendor VARCHAR(25) NOT NULL,
9     productDescription TEXT NOT NULL,
10    quantityInStock INT NOT NULL,
11    buyPrice DECIMAL NOT NULL,
12    MSRP DECIMAL NOT NULL,-- manufacturer suggested retail price aka harga eceran aka harga jual
13 );
14 INSERT INTO products
15 (productCode, productName, productLine, productScale, productVendor, productDescription,
16  quantityInStock, buyPrice, MSRP)
17 VALUES
18 ('AAS2314FS', 'Sedan A423 Gemerlap' , '1', 'Bagus', 'Tesca',

```

Results Messages

	productCode	productName	productLine	productScale	productVen...	productDes...	quantityIn...	buyPrice	MSRP
1	AAS2314FS	Sedan A423 Gem...	1	Bagus	Tesca	Sedang A423 me...	20	2000	
2	AMNLSDSO	Smartphone Mod...	3	Sangat Bagus	BNSD	Smartphone Mod...	20	1000	
3	ASVSDAS	GH Glow	8	Sangat Bagus	XCAS	GH Glow merupa...	20	2000	
4	ASVNXLX	Binder Tipe Z	6	Sangat Bagus	JSND	Binder tipe Z	20	2000	
5	AZSDS4FS	PICKUP ADV23 G...	1	Sangat Bagus	BNSD	PICKUP ADV23 m...	20	1000	
6	DSMASLSS	BSDDDC	5	Sangat Bagus	BNSD	AASJDS merupak...	20	1000	
7	MVOASKDS	Pensil Z	7	Sangat Bagus	SVXZ	Pensil Z merup...	20	3000	
8	SADASPJJ	Smartwatch tip...	9	Sangat Bagus	MFLS	Smartwatch tip...	20	1000	
9	SDLLMASA	Gujii	4	Bagus	BNSD	Gujii merupaka...	20	1000	

4. Membuat table office, lalu insert data

Query:

```

DROP TABLE IF EXISTS offices;
CREATE TABLE offices
(
    officeCode INT NOT NULL PRIMARY KEY IDENTITY(500,1),
    city VARCHAR(25) NOT NULL,
    phone VARCHAR(25) NOT NULL UNIQUE,
    addressLine VARCHAR(50) NOT NULL,
    addressLine2 VARCHAR(50) NULL,
    state VARCHAR(25) NOT NULL,
    postalCode INT NOT NULL,
    territory VARCHAR(25) NOT NULL,

```

```

);
INSERT INTO offices
( city, phone, addressLine, [state], postalCode, territory)
VALUES
('Surabaya', '+33342323' , 'JL HR Muhammad no 666', 'Jawa Timur', '60443', 'Indonesia' ),
( 'Surabaya', '+33342324' , 'JL HR Muhammad no 322', 'Jawa Timur', '60443', 'Indonesia' ),
( 'Jember', '+33342325' , 'JL Wahid Hasyim', 'Jawa Timur', '60444', 'Indonesia' ),
( 'Madura', '+33342326' , 'JL Hatta', 'Jawa Timur', '60445', 'Indonesia' ),
( 'Malang', '+33342327' , 'JL Ketintang', 'Jawa Timur', '60446', 'Indonesia' ),
( 'Bangil', '+33342328' , 'JL Timur', 'Jawa Timur', '60447', 'Indonesia' ),
( 'Banyuwangi', '+33342329' , 'JL Selatan', 'Jawa Timur', '60448', 'Indonesia' ),
( 'Bali', '+333423210' , 'JL Tenggara', 'Jawa Timur', '60449', 'Indonesia' ),
( 'Ponorogo', '+333423211' , 'JL Barat', 'Jawa Timur', '60450', 'Indonesia' ),
( 'Sidoarjo', '+333423212' , 'JL Kali', 'Jawa Timur', '60451', 'Indonesia' );

SELECT *
FROM offices;

```

Run Cancel Disconnect Change Connection BANK\_GINWA Explain Enable SQLCMD Export as Notebook

```

1 DROP TABLE IF EXISTS offices;
2 CREATE TABLE offices
3 (
4     officeCode INT NOT NULL PRIMARY KEY IDENTITY(500,1),
5     city VARCHAR(25) NOT NULL,
6     phone VARCHAR(25) NOT NULL UNIQUE,
7     addressLine VARCHAR(50) NOT NULL,
8     addressLine2 VARCHAR(50) NULL,
9     state VARCHAR(25) NOT NULL,
10    postalCode INT NOT NULL,
11    territory VARCHAR(25) NOT NULL,
12 );
13 INSERT INTO offices
14 ( city, phone, addressLine, [state], postalCode, territory)
15 VALUES
16 ('Surabaya', '+33342323' , 'JL HR Muhammad no 666', 'Jawa Timur', '60443', 'Indonesia' ),
17 ('Surabaya', '+33342324' , 'JL HR Muhammad no 322', 'Jawa Timur', '60443', 'Indonesia' ),

```

Results Messages

	officeCode	city	phone	addressLine	addressLin...	state	postalCode	territory
1	500	Surabaya	+33342323	JL HR Muhammad no...	NULL	Jawa Timur	60443	Indonesia
2	501	Surabaya	+33342324	JL HR Muhammad no...	NULL	Jawa Timur	60443	Indonesia
3	502	Jember	+33342325	JL Wahid Hasyim	NULL	Jawa Timur	60444	Indonesia
4	503	Madura	+33342326	JL Hatta	NULL	Jawa Timur	60445	Indonesia
5	504	Malang	+33342327	JL Ketintang	NULL	Jawa Timur	60446	Indonesia
6	505	Bangil	+33342328	JL Timur	NULL	Jawa Timur	60447	Indonesia
7	506	Banyuwangi	+33342329	JL Selatan	NULL	Jawa Timur	60448	Indonesia
8	507	Bali	+333423210	JL Tenggara	NULL	Jawa Timur	60449	Indonesia
9	508	Ponorogo	+333423211	JL Barat	NULL	Jawa Timur	60450	Indonesia
10	509	Sidoarjo	+333423212	JL Kali	NULL	Jawa Timur	60451	Indonesia

5. Membuat table Employee, lalu insert data  
Query:

```

DROP TABLE IF EXISTS employees;
CREATE TABLE employees
(
    employeeNumber INT NOT NULL PRIMARY KEY IDENTITY(10001, 1),
    employeeNumberReferences INT NULL FOREIGN KEY REFERENCES employees(employeeNumber),
    firstName VARCHAR(100) NOT NULL,
    lastName VARCHAR(100) NULL,
    extension VARCHAR(25) NOT NULL,

```

```

email VARCHAR(100) NOT NULL UNIQUE,
reportsTo INT NULL FOREIGN KEY REFERENCES employees(employeeNumber),
jobTitle VARCHAR(50) NOT NULL,
officeCode INT NOT NULL FOREIGN KEY REFERENCES offices(officeCode),
);
INSERT INTO employees
(firstName, extension, email, officeCode, jobTitle, reportsTo)
VALUES
('Gilang', '1', 'gilangtrisetya123@gmail.com' , '500', 'Full Stack Engineer Intern' , '10007'),
('Paimen', '1', 'paimen@gmail.com' , '503', 'Full Stack Engineer Intern', '10007'),
('Paijo', '1', 'paijo@gmail.com' , '502', 'Sales' , '10007'),
('Selamet', '1', 'selamet@gmail.com' , '504', 'Sales Intern', '10007' ),
('Santoso', '1', 'santoso@gmail.com' , '501', 'Sales Intern' , '10007'),
('Jimin', '1', 'jimin@gmail.com' , '508', 'Manager', NULL ),
('Paidid', '1', 'paidid@gmail.com' , '507', 'Manager', NULL );

```

```

INSERT INTO employees
(employeeNumberReferences, firstName, extension, email, officeCode, jobTitle, reportsTo)
VALUES
('10001' , 'Tekyung', '1', 'tekyung@gmail.com' , '501', 'Sales Intern', '10008' ),
('10001' , 'Jungkuk', '1', 'jungkuk@gmail.com' , '501', 'Hr Intern' , '10008'),
('10003' , 'John', '1', 'jogn@gmail.com' , '501', 'Hr Intern' , '10008');

SELECT *
FROM employees;

```

Run Cancel Disconnect Change Connection BANK\_GINWA Explain Enable SQLCMD Export as Notebook

```

1 DROP TABLE IF EXISTS employees;
2 CREATE TABLE employees
3
4     employeeNumber INT NOT NULL PRIMARY KEY IDENTITY(10001, 1),
5     employeeNumberReferences INT NULL FOREIGN KEY REFERENCES employees(employeeNumber),
6     firstName VARCHAR(100) NOT NULL,
7     lastName VARCHAR(100) NULL,
8     extension VARCHAR(25) NOT NULL,
9     email VARCHAR(100) NOT NULL UNIQUE,
10    reportsTo INT NULL FOREIGN KEY REFERENCES employees(employeeNumber),
11    jobTitle VARCHAR(50) NOT NULL,
12    officeCode INT NOT NULL FOREIGN KEY REFERENCES offices(officeCode),
13 );
14 INSERT INTO employees
15 (firstName, extension, email, officeCode, jobTitle, reportsTo)
16 VALUES
17 ('Gilang', '1', 'gilangtrisetya123@gmail.com' , '500', 'Full Stack Engineer Intern' , '10007'),

```

Results Messages

	employeeNumber	employeeNum...	firstName	lastName	extension	email	reportsTo	jobTitle	offi...
1	10001	NULL	Gilang	NULL	1	gilangtrisetya...	10007	Full Stack Eng...	5
2	10002	NULL	Paimen	NULL	1	paimen@gmail.c...	10007	Full Stack Eng...	5
3	10003	NULL	Paijo	NULL	1	paijo@gmail.com	10007	Sales	5
4	10004	NULL	Selamet	NULL	1	selamet@gmail...	10007	Sales Intern	5
5	10005	NULL	Santoso	NULL	1	santoso@gmail...	10007	Sales Intern	5
6	10006	NULL	Jimin	NULL	1	jimin@gmail.com	NULL	Manager	5
7	10007	NULL	Paidi	NULL	1	paidi@gmail.com	NULL	Manager	5
8	10008	10001	Tekyung	NULL	1	tekyung@gmail...	10008	Sales Intern	5
9	10009	10001	Jungkuk	NULL	1	jungkuk@gmail...	10008	Hr Intern	5
10	10010	10003	John	NULL	1	jogn@gmail.com	10008	Hr Intern	5

6. Membuat table customer, lalu insert data  
Query:

```
DROP TABLE IF EXISTS customers;
CREATE TABLE customers
(
    customerNumber BIGINT NOT NULL PRIMARY KEY IDENTITY(100,1),
    customerName VARCHAR(50) NOT NULL,
    contactFirstName VARCHAR(50) NOT NULL,
    contactLastName VARCHAR(50) NULL,
    phone VARCHAR(25) NOT NULL UNIQUE,
    addressLine VARCHAR(50) NOT NULL,
    addressLine2 VARCHAR(50) NULL,
    city VARCHAR(25) NOT NULL,
    state VARCHAR(25) NOT NULL,
    postalCode INT NOT NULL,
    country VARCHAR(25) NOT NULL,
    creditLimit DECIMAL NOT NULL,
    salesRepEmployeeNumber INT NOT NULL FOREIGN KEY REFERENCES employees(employeeNumber),
);
INSERT INTO customers
(customerName, contactFirstName, contactLastName, phone, addressLine, city, [state],
postalCode, country, salesRepEmployeeNumber, creditLimit)
VALUES
('Gilang Trisetiya', 'Gilang', 'Trisetiya Indrawan', '+6281258602456', 'DK.Karangan Tengah 51',
'Surabaya', 'Jawa timur', '60227', 'Indonesia', '10003', '90000000000000'),
('Mercury', 'Mercury', NULL, '+6283252105446', 'DK.Karangan Timur 10',
'Surabaya', 'Jawa timur', '60227', 'Indonesia', '10004', '140000000000'),
('Fredy', 'Fredy', NULL, '+6285252605452', 'DK.Karangan Barat 51',
'Surabaya', 'Jawa timur', '60226', 'Indonesia', '10005', '3000000000'),
('Alicia', 'Alicia', 'Key', '+6285252605453', 'DK.Karangan Selatan 51',
'Surabaya', 'Jawa timur', '60226', 'Indonesia', '10006', '300000000000'),
('Yuki', 'Yuki', 'Sasho', '+1882332325452', 'Nani',
'Tokyo', 'Tokyo', '12333', 'Japan', '10006', '65000000000000'),
('Naruto', 'Naruto', 'Suzuki', '+1882332325453', 'Nani 2',
'Tokyo', 'Tokyo', '12333', 'Japan', '10006', '65000000000000'),
('Sazi', 'Sazi', 'Maeda', '+1882332325454', 'Nani 3',
'Tokyo', 'Tokyo', '12333', 'Japan', '10006', '65000000000000'),
('Hiroshima', 'Hiroshima', 'Nagasaki', '+1882332325455', 'Nani 4',
'Tokyo', 'Tokyo', '12333', 'Japan', '10006', '65000000000000'),
('Maeda', 'Maeda', 'Yui', '+1882332325456', 'Nani 5',
'Tokyo', 'Tokyo', '12333', 'Japan', '10006', '65000000000000'),
('Itachi', 'Itachi', 'Naruto', '+1882332325457', 'Nani 6',
'Tokyo', 'Tokyo', '12333', 'Japan', '10006', '65000000000000');
SELECT *
FROM customers;
```

Run Cancel Disconnect Change Connection BANK\_GINWA Explain Enable SQLCMD Export as Notebook

```

1 DROP TABLE IF EXISTS customers;
2 CREATE TABLE customers
3 (
4     customerNumber BIGINT NOT NULL PRIMARY KEY IDENTITY(100,1),
5     customerName VARCHAR(50) NOT NULL,
6     contactFirstName VARCHAR(50) NOT NULL,
7     contactLastName VARCHAR(50) NOT NULL,
8     phone VARCHAR(25) NOT NULL UNIQUE,
9     addressLine VARCHAR(50) NOT NULL,
10    addressLine2 VARCHAR(50) NOT NULL,
11    city VARCHAR(25) NOT NULL,
12    state VARCHAR(25) NOT NULL,
13    postalCode INT NOT NULL,
14    country VARCHAR(25) NOT NULL,
15    creditLimit DECIMAL NOT NULL,
16    salesRepEmployeeNumber INT NOT NULL FOREIGN KEY REFERENCES employees(employeeNumber),
17 );
18

```

Results Messages

	customerNumber	customerName	contactFirstName	contactLastName	phone	addressLine	addressLine2	city	state
1	100	Gilang Trisetya	Gilang	Trisetya Indrawan	+6281258602456	DK.Karangan Te...	NULL	Surabaya	
2	101	Mecury	Mecury	NULL	+6283252105446	DK.Karangan Ti...	NULL	Surabaya	
3	102	Fredy	Fredy	NULL	+6285252605452	DK.Karangan Ba...	NULL	Surabaya	
4	103	Alicia	Alicia	Key	+6285252605453	DK.Karangan Se...	NULL	Surabaya	
5	104	Yuki	Yuki	Sasho	+1882332325452	Nani	NULL	Tokyo	
6	105	Naruto	Naruto	Suzuki	+1882332325453	Nani 2	NULL	Tokyo	
7	106	Sazi	Sazi	Maeda	+1882332325454	Nani 3	NULL	Tokyo	
8	107	Hiroshima	Hiroshima	Nagasaki	+1882332325455	Nani 4	NULL	Tokyo	
9	108	Maeda	Maeda	Yui	+1882332325456	Nani 5	NULL	Tokyo	
10	109	Maeda	Maeda	Maeda	+1882332325457	Nani 6	NULL	Tokyo	

7. Membuat table payment, lalu insert data  
Query:

```

DROP TABLE IF EXISTS payments;
CREATE TABLE payments
(
    checkNumber BIGINT NOT NULL PRIMARY KEY,
    customerNumber BIGINT NOT NULL UNIQUE FOREIGN KEY REFERENCES customers(customerNumber),
    paymentDate DATETIME NOT NULL,
    amount DECIMAL NOT NULL
);
INSERT INTO payments
(checkNumber, customerNumber, paymentDate, amount)
VALUES
('7235123121', '100', '2021-10-01', '2000000'),
('1234231341', '101', '2021-10-05', '63000000'),
('5335213123', '102', '2021-10-06', '54000000'),
('6512983752', '103', '2021-10-10', '2000000'),
('6412048231', '104', '2021-10-11', '52300000'),
('2932108322', '105', '2021-10-13', '53240000'),
('1231252312', '106', '2021-10-14', '2310000'),
('5213213223', '107', '2021-10-14', '5324200000'),
('6234234233', '108', '2021-10-15', '2131000'),
('5324212311', '109', '2021-10-16', '2310000');
SELECT *
FROM payments;

```

Run Cancel Disconnect Change Connection BANK\_GINWA Explain Enable SQLCMD Export as Notebook

```

1 DROP TABLE IF EXISTS payments;
2 CREATE TABLE payments
3 (
4     checkNumber BIGINT NOT NULL PRIMARY KEY,
5     customerNumber BIGINT NOT NULL UNIQUE FOREIGN KEY REFERENCES customers(customerNumber),
6     paymentDate DATETIME NOT NULL,
7     amount DECIMAL NOT NULL
8 );
9 INSERT INTO payments
10 (checkNumber, customerNumber, paymentDate, amount)
11 VALUES
12 ('7235123121', '100', '2021-10-01', '2000000'),
13 ('1234231341', '101', '2021-10-05', '63000000'),
14 ('5335213123', '102', '2021-10-06', '54000000'),
15 ('6512983752', '103', '2021-10-10', '2000000'),
16 ('6412048231', '104', '2021-10-11', '52300000'),
17 ('2932108322', '105', '2021-10-13', '53240000'),

```

Results Messages

	checkNumber	customerNum...	paymentDate	amount
1	1231252312	106	2021-10-14 00:00:00...	2310000
2	1234231341	101	2021-10-05 00:00:00...	63000000
3	2932108322	105	2021-10-13 00:00:00...	53240000
4	5213213223	107	2021-10-14 00:00:00...	532400000
5	5324212311	109	2021-10-16 00:00:00...	2310000
6	5335213123	102	2021-10-06 00:00:00...	54000000
7	6234234233	108	2021-10-15 00:00:00...	2131000
8	6412048231	104	2021-10-11 00:00:00...	52300000
9	6512983752	103	2021-10-10 00:00:00...	2000000
10	7235123121	100	2021-10-01 00:00:00...	2000000

8. Membuat table orders, lalu insert data  
Query:

```

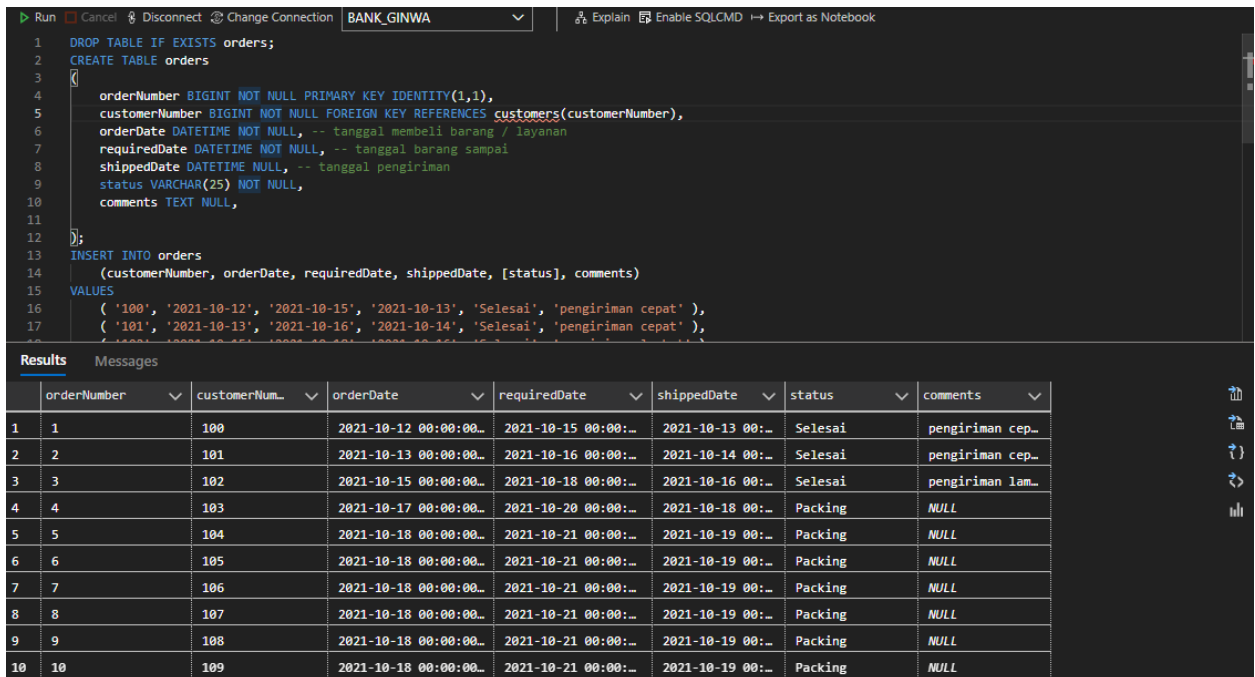
DROP TABLE IF EXISTS orders;
CREATE TABLE orders
(
    orderNumber BIGINT NOT NULL PRIMARY KEY IDENTITY(1,1),
    customerNumber BIGINT NOT NULL FOREIGN KEY REFERENCES customers(customerNumber),
    orderDate DATETIME NOT NULL, -- tanggal membeli barang / layanan
    requiredDate DATETIME NOT NULL, -- tanggal barang sampai
    shippedDate DATETIME NULL, -- tanggal pengiriman
    status VARCHAR(25) NOT NULL,
    comments TEXT NULL,
);
INSERT INTO orders
(customerNumber, orderDate, requiredDate, shippedDate, [status], comments)
VALUES
( '100', '2021-10-12', '2021-10-15', '2021-10-13', 'Selesai', 'pengiriman cepat' ),
( '101', '2021-10-13', '2021-10-16', '2021-10-14', 'Selesai', 'pengiriman cepat' ),
( '102', '2021-10-15', '2021-10-18', '2021-10-16', 'Selesai', 'pengiriman lambat' ),
( '103', '2021-10-17', '2021-10-20', '2021-10-18', 'Packing', NULL ),
( '104', '2021-10-18', '2021-10-21', '2021-10-19', 'Packing', NULL ),

( '105', '2021-10-18', '2021-10-21', '2021-10-19', 'Packing', NULL ),
( '106', '2021-10-18', '2021-10-21', '2021-10-19', 'Packing', NULL ),
( '107', '2021-10-18', '2021-10-21', '2021-10-19', 'Packing', NULL ),
( '108', '2021-10-18', '2021-10-21', '2021-10-19', 'Packing', NULL ),
( '109', '2021-10-18', '2021-10-21', '2021-10-19', 'Packing', NULL );

```



```
SELECT *
FROM orders;
```



The screenshot shows a SQL IDE with a query window and a results window. The query window contains the following SQL code:

```

1 DROP TABLE IF EXISTS orders;
2 CREATE TABLE orders
3 (
4     orderNumber BIGINT NOT NULL PRIMARY KEY IDENTITY(1,1),
5     customerNumber BIGINT NOT NULL FOREIGN KEY REFERENCES customers(customerNumber),
6     orderDate DATETIME NOT NULL, -- tanggal membeli barang / layanan
7     requiredDate DATETIME NOT NULL, -- tanggal barang sampai
8     shippedDate DATETIME NULL, -- tanggal pengiriman
9     status VARCHAR(25) NOT NULL,
10    comments TEXT NULL,
11 );
12
13 INSERT INTO orders
14 (customerNumber, orderDate, requiredDate, shippedDate, [status], comments)
15 VALUES
16 ( '100', '2021-10-12', '2021-10-15', '2021-10-13', 'Selesai', 'pengiriman cepat' ),
17 ( '101', '2021-10-13', '2021-10-16', '2021-10-14', 'Selesai', 'pengiriman cepat' ),
18 ( '102', '2021-10-15', '2021-10-18', '2021-10-16', 'Selesai', 'pengiriman lambat' ),
19 ( '103', '2021-10-17', '2021-10-20', '2021-10-18', 'Packing', NULL ),
20 ( '104', '2021-10-18', '2021-10-21', '2021-10-19', 'Packing', NULL ),
21 ( '105', '2021-10-18', '2021-10-21', '2021-10-19', 'Packing', NULL ),
22 ( '106', '2021-10-18', '2021-10-21', '2021-10-19', 'Packing', NULL ),
23 ( '107', '2021-10-18', '2021-10-21', '2021-10-19', 'Packing', NULL ),
24 ( '108', '2021-10-18', '2021-10-21', '2021-10-19', 'Packing', NULL ),
25 ( '109', '2021-10-18', '2021-10-21', '2021-10-19', 'Packing', NULL );

```

The results window displays the following data:

	orderNumber	customerNumber	orderDate	requiredDate	shippedDate	status	comments
1	1	100	2021-10-12 00:00:00	2021-10-15 00:00:00	2021-10-13 00:00:00	Selesai	pengiriman cepat
2	2	101	2021-10-13 00:00:00	2021-10-16 00:00:00	2021-10-14 00:00:00	Selesai	pengiriman cepat
3	3	102	2021-10-15 00:00:00	2021-10-18 00:00:00	2021-10-16 00:00:00	Selesai	pengiriman lambat
4	4	103	2021-10-17 00:00:00	2021-10-20 00:00:00	2021-10-18 00:00:00	Packing	NULL
5	5	104	2021-10-18 00:00:00	2021-10-21 00:00:00	2021-10-19 00:00:00	Packing	NULL
6	6	105	2021-10-18 00:00:00	2021-10-21 00:00:00	2021-10-19 00:00:00	Packing	NULL
7	7	106	2021-10-18 00:00:00	2021-10-21 00:00:00	2021-10-19 00:00:00	Packing	NULL
8	8	107	2021-10-18 00:00:00	2021-10-21 00:00:00	2021-10-19 00:00:00	Packing	NULL
9	9	108	2021-10-18 00:00:00	2021-10-21 00:00:00	2021-10-19 00:00:00	Packing	NULL
10	10	109	2021-10-18 00:00:00	2021-10-21 00:00:00	2021-10-19 00:00:00	Packing	NULL

9. Membuat table orderDetails, lalu insert data  
Query:

```

DROP TABLE IF EXISTS orderDetails;
CREATE TABLE orderDetails
(
    orderNumber BIGINT NOT NULL FOREIGN KEY REFERENCES orders(orderNumber),
    productCode VARCHAR(50) NOT NULL FOREIGN KEY REFERENCES products(productCode) ,
    quantity INT NOT NULL,
    priceEach DECIMAL NOT NULL,
    orderLineNumber INT IDENTITY(1,1) NOT NULL
);
INSERT INTO orderDetails
(orderNumber, productCode, quantity, priceEach)
VALUES
('1', 'AAS2314FS', '14' , '3000' ),
('2', 'AZSDS4FS', '3' , '5000'),
('3', 'AAS2314FS', '13' , '3000'),
('4', 'AMNLSDDSD', '12' , '3000'),
('5', 'AMNLSDDSD', '3' , '3000'),
('6', 'AMNLSDDSD', '5' , '3000'),
('7', 'ASVNXLX', '3' , '6000'),
('8', 'ASVNXLX', '4' , '6000'),
('9', 'SDLLMASA', '2' , '3000'),
('10', 'SADASPJJ', '1' , '3000');
SELECT *
FROM orderDetails;
```

Run Cancel Disconnect Change Connection BANK\_GINWA Explain Enable SQLCMD Export as Notebook

```

1 DROP TABLE IF EXISTS orderDetails;
2 CREATE TABLE orderDetails
3 (
4     orderNumber BIGINT NOT NULL FOREIGN KEY REFERENCES orders(orderNumber),
5     productCode VARCHAR(50) NOT NULL FOREIGN KEY REFERENCES products(productCode) ,
6     quantity INT NOT NULL,
7     priceEach DECIMAL NOT NULL,
8     orderLineNumber INT IDENTITY(1,1) NOT NULL
9 );
10 INSERT INTO orderDetails
11 ([orderNumber, productCode, quantity, priceEach]
12 VALUES
13 ('1', 'AAS2314FS', '14', '3000' ),
14 ('2', 'AZSDS4FS', '3', '5000'),
15 ('3', 'AAS2314FS', '13', '3000'),
16 ('4', 'AMNLSDSO', '12', '3000'),
17 ('5', 'AMNLSDSO', '3', '3000'),

```

**Results** Messages

	orderNumber	productCode	quantity	priceEach	orderLineN.
1	1	AAS2314FS	14	3000	1
2	2	AZSDS4FS	3	5000	2
3	3	AAS2314FS	13	3000	3
4	4	AMNLSDSO	12	3000	4
5	5	AMNLSDSO	3	3000	5
6	6	AMNLSDSO	5	3000	6
7	7	ASVNXLX	3	6000	7
8	8	ASVNXLX	4	6000	8
9	9	SDLLMASA	2	3000	9
10	10	SADASPJJ	1	3000	10

# 10. ERD

