| nerNumber | customerName | contactLastName | contactFirstName | phone | addressLine1 | addressLine2 | city |
|---|---|---|---|---|---|---|---|
| 1 | 1 | Bernard | Nard | Ber | 081234567890 | Jl. Sumatera | Jl. Jelutung | Kota Jambi |
| 2 | 2 | Andi Tama | Tama | Andi | 081234567891 | Jl. Thehok | Jl. Jalan | Kota Jambi |
| 3 | 3 | Kenwus Go | Go | Kenwus | 081234567892 | Jl. Telanai | Jl. Antasari | Kota Jambi |
| 4 | 4 | Bambang Suparman | Suparman | Bambang | 081234567893 | Jl. Diponegoro | Jl. Jalan | Kota Jambi |
| 5 | 5 | Satrial Yakub | Yakub | Satrial | 081234567894 | Jl. Thehok | Jl. Sudirman | Kota Jambi |

| state | postalCode | country | salesRepEmployeeNumber | creditLimit |
|---|---|---|---|---|
| Jelutung | 12345 | Indonesia | B123456789 | 999,999,999 |
| Tambak Sari | 12344 | Indonesia | A123456787 | 888,888,888 |
| Telanai | 12343 | Sydney | K123456785 | 777,777,777 |
| Kebun Handil | 12342 | Indonesia | B123456783 | 777,777,777 |
| Sipin | 12341 | Indonesia | S123456781 | 666,666,666 |

**Soal No. 1. Customers => stores data customer**

```sql
CREATE TABLE tb_customers(
        customerNumber int PRIMARY KEY IDENTITY(1,1),
        customerName varchar(25) NOT NULL,
        contactLastName varchar(15) NOT NULL,
        contactFirstName varchar(15) NOT NULL,
        phone varchar (15) NOT NULL,
        addressLine1 varchar(50) NOT NULL,
        addressLine2 varchar(50) NOT NULL,
        city varchar(15) NOT NULL,
        state varchar(15) NOT NULL,
        postalCode varchar(15) NOT NULL,
        country varchar(15) NOT NULL,
        salesRepEmployeeNumber varchar(15) NOT NULL,
        creditLimit int NOT NULL,
)

INSERT INTO  tb_customers(customerName, contactLastName, contactFirstName, phone,
addressLine1, addressLine2, city, state, postalCode, country, salesRepEmployeeNumber,
creditLimit)
VALUES
('Bernard', 'Nard', 'Ber', '081234567890', 'Jl. Sumatera', 'Jl. Jelutung', 'Kota
Jambi', 'Jelutung', '12345', 'Indonesia', 'B123456789', 999999999),
('Andi Tama', 'Tama', 'Andi', '081234567891', 'Jl. Thehok', 'Jl. Jalan', 'Kota
Jambi', 'Tambak Sari', '12344', 'Indonesia', 'A123456787', 888888888),
('Kenwus Go', 'Go', 'Kenwus', '081234567892', 'Jl. Telanai', 'Jl. Antasari', 'Kota
Jambi', 'Telanai', '12343', 'Sydney', 'K123456785', 777777777),
('Bambang Suparman', 'Suparman', 'Bambang', '081234567893', 'Jl. Diponegoro', 'Jl.
Jalan', 'Kota Jambi', 'Kebun Handil', '12342', 'Indonesia', 'B123456783', 777777777),
('Satrial Yakub', 'Yakub', 'Satrial', '081234567894', 'Jl. Thehok', 'Jl. Sudirman',
'Kota Jambi', 'Sipin', '12341', 'Indonesia', 'S123456781', 666666666);
```

| productCode | productName | productLine | productScale | productVendor | productDescription | quantityInStock | buyPrice | MSRP |
|---|---|---|---|---|---|---|---|---|
| 1 | Guitar | 9 | 9 | Yamaha | Ini adalah gitar | 999 | 1,500,000 | 1,250,000 |
| 2 | Drum | 9 | 9 | Yamaha | Ini adalah drum | 888 | 850,000 | 750,000 |
| 3 | Headphone | 9 | 9 | Razer | Ini adalah headphone | 777 | 1,500,000 | 1,350,000 |
| 4 | Mouse | 9 | 9 | Logitech | Ini adalah mouse | 666 | 600,000 | 450,000 |
| 5 | Handphone | 9 | 9 | Samsung | Ini adalah handphone | 555 | 9,000,000 | 7,500,000 |
| 6 | Monitor | 9 | 9 | LG | Ini adalah drum | 444 | 2,400,000 | 2,050,000 |
| 7 | Kulkas | 9 | 9 | Sharp | Ini adalah headphone | 333 | 12,000,000 | 11,500,000 |
| 8 | Webcam | 9 | 9 | NYK | Ini adalah mouse | 222 | 220,000 | 185,000 |
| 9 | Tissue | 9 | 9 | Paseo | Ini adalah handphone | 111 | 35,000 | 25,000 |

**Soal No. 02. Products => stores daftar/list model product**

```
CREATE TABLE tb_products(
        productCode int PRIMARY KEY IDENTITY(1,1),
        productName varchar(50) NOT NULL,
        productLine int NOT NULL,
        productScale int NOT NULL,
        productVendor varchar (15) NOT NULL,
        productDescription varchar(50) NOT NULL,
        quantityInStock int NOT NULL,
        buyPrice int NOT NULL,
        MSRP int NOT NULL,
)

INSERT INTO tb_products(productName, productLine, productScale, productVendor,
productDescription, quantityInStock, buyPrice, MSRP)
VALUES
('Guitar', 9, 9, 'Yamaha', 'Ini adalah gitar', 999, 1500000, 1250000),
('Drum', 9, 9, 'Yamaha', 'Ini adalah drum', 888, 850000, 750000),
('Headphone', 9, 9, 'Razer', 'Ini adalah headphone', 777, 1500000, 1350000),
('Mouse', 9, 9, 'Logitech', 'Ini adalah mouse', 666, 600000, 450000),
('Handphone', 9, 9, 'Samsung', 'Ini adalah handphone', 555, 9000000, 7500000),
('Monitor', 9, 9, 'LG', 'Ini adalah drum', 444, 2400000, 2050000),
('Kulkas', 9, 9, 'Sharp', 'Ini adalah headphone', 333, 12000000, 11500000),
('Webcam', 9, 9, 'NYK', 'Ini adalah mouse', 222, 220000, 185000),
('Tissue', 9, 9, 'Paseo', 'Ini adalah handphone', 111, 35000, 25000);
```

| 123 productLine | ABC textDescription | ABC htmlDescription | ABC Image |
|---|---|---|---|
| 1 | Ini adalah gitar | gitar.html | gitar.jpg |
| 2 | Ini adalah drum | drum.html | drum.jpg |
| 3 | Ini adalah headphone | headphone.html | headphone.jpg |
| 4 | Ini adalah mouse | mouse.html | mouse.jpg |
| 5 | Ini adalah handphone | handphone.html | handphone.jpg |
| 6 | Ini adalah monitor | monitor.html | monitor.jpg |
| 7 | Ini adalah kulkas | kulkas.html | kulkas.jpg |
| 8 | Ini adalah webcam | webcam.html | webcam.jpg |
| 9 | Ini adalah tissue | tissue.html | tissue.jpg |

**Soal No. 03. ProductLines => stores daftar/list kategori product**

```sql
CREATE TABLE tb_productlines(
        productLine int PRIMARY KEY IDENTITY(1,1),
        textDescription varchar(50) NOT NULL,
        htmlDescription varchar(50) NOT NULL,
        Image varchar(50) NOT NULL,
)

INSERT INTO  tb_productlines(textDescription, htmlDescription, Image)
VALUES
('Ini adalah gitar', 'gitar.html', 'gitar.jpg'),
('Ini adalah drum', 'drum.html', 'drum.jpg'),
('Ini adalah headphone', 'headphone.html', 'headphone.jpg'),
('Ini adalah mouse', 'mouse.html', 'mouse.jpg'),
('Ini adalah handphone', 'handphone.html', 'handphone.jpg'),
('Ini adalah monitor', 'monitor.html', 'monitor.jpg'),
('Ini adalah kulkas', 'kulkas.html', 'kulkas.jpg'),
('Ini adalah webcam', 'webcam.html', 'webcam.jpg'),
('Ini adalah tissue', 'tissue.html', 'tissue.jpg');
```

| 123 orderNumber | orderDate | requiredDate | shippedDate | ABC status | ABC comments | 123 customerNumber |
|---|---|---|---|---|---|---|
| 1 | 2021-09-09 | 2021-09-10 | 2021-09-09 | Shipped | Order is shipped | 999 |
| 2 | 2021-09-08 | 2021-09-11 | 2021-09-10 | Not Shipped | Order is Not shipped | 998 |
| 3 | 2021-09-07 | 2021-09-12 | 2021-09-11 | Not Shipped | Order is Not shipped | 997 |
| 4 | 2021-09-06 | 2021-09-13 | 2021-09-12 | Shipped | Order is shipped | 996 |
| 5 | 2021-09-05 | 2021-09-14 | 2021-09-13 | Shipped | Order is shipped | 995 |
| 6 | 2021-09-04 | 2021-09-13 | 2021-09-12 | Not Shipped | Order is Not shipped | 994 |
| 7 | 2021-09-03 | 2021-09-12 | 2021-09-11 | Not Shipped | Order is Not shipped | 993 |
| 8 | 2021-09-02 | 2021-09-11 | 2021-09-10 | Shipped | Order is shipped | 992 |
| 9 | 2021-09-01 | 2021-09-10 | 2021-09-09 | Not Shipped | Order is Not shipped | 991 |

**Soal No. 04. Orders => store Order Sales oleh customer**

```
CREATE TABLE tb_orders(
        orderNumber int PRIMARY KEY IDENTITY(1,1),
        orderDate date NOT NULL,
        requiredDate date NOT NULL,
        shippedDate date NOT NULL,
        status varchar (15) NOT NULL,
        comments varchar(50) NOT NULL,
        customerNumber int NOT NULL,
)

INSERT INTO tb_orders(orderDate, requiredDate, shippedDate, status, comments,
customerNumber)
VALUES
('2021-09-09', '2021-09-10', '2021-09-09', 'Shipped', 'Order is shipped', 999),
('2021-09-08', '2021-09-11', '2021-09-10', 'Not Shipped', 'Order is Not shipped',
998),
('2021-09-07', '2021-09-12', '2021-09-11', 'Not Shipped', 'Order is Not shipped',
997),
('2021-09-06', '2021-09-13', '2021-09-12', 'Shipped', 'Order is shipped', 996),
('2021-09-05', '2021-09-14', '2021-09-13', 'Shipped', 'Order is shipped', 995),
('2021-09-04', '2021-09-13', '2021-09-12', 'Not Shipped', 'Order is Not shipped',
994),
('2021-09-03', '2021-09-12', '2021-09-11', 'Not Shipped', 'Order is Not shipped',
993),
('2021-09-02', '2021-09-11', '2021-09-10', 'Shipped', 'Order is shipped', 992),
('2021-09-01', '2021-09-10', '2021-09-09', 'Not Shipped', 'Order is Not shipped',
991);
```

| 123 orderNumber | 123 productCode | 123 quantityOrdered | 123 priceEach | 123 orderLineNumber |
|---|---|---|---|---|
| 1 | 98,765 | 9 | 90,000 | 99 |
| 2 | 87,654 | 8 | 80,000 | 89 |
| 3 | 76,543 | 7 | 70,000 | 79 |
| 4 | 65,432 | 6 | 60,000 | 69 |
| 5 | 54,321 | 5 | 50,000 | 59 |
| 6 | 43,219 | 4 | 40,000 | 49 |
| 7 | 32,198 | 3 | 30,000 | 39 |
| 8 | 21,987 | 2 | 20,000 | 29 |
| 9 | 19,876 | 1 | 10,000 | 19 |

**Soal No. 05. OrderDetails => store item Order sales dalam setiap order sales**

```sql
CREATE TABLE tb_orderdetails(
      orderNumber int IDENTITY(1,1),
      productCode int,
      quantityOrdered int NOT NULL,
      priceEach int NOT NULL,
      orderLineNumber int NOT NULL,
      PRIMARY KEY(orderNumber, productCode)
)


INSERT INTO tb_orderdetails(productCode, quantityOrdered, priceEach, orderLineNumber)
VALUES
(98765, 9, 90000, 99),
(87654, 8, 80000, 89),
(76543, 7, 70000, 79),
(65432, 6, 60000, 69),
(54321, 5, 50000, 59),
(43219, 4, 40000, 49),
(32198, 3, 30000, 39),
(21987, 2, 20000, 29),
(19876, 1, 10000, 19);
```

| | 123 customerNumber | 123 checkNumber | paymentDate | 123 amount |
|---|---|---|---|---|
| 1 | 1 | 999 | 2021-09-09 | 99 |
| 2 | 2 | 998 | 2021-09-08 | 89 |
| 3 | 3 | 997 | 2021-09-07 | 79 |
| 4 | 4 | 996 | 2021-09-06 | 69 |
| 5 | 5 | 995 | 2021-09-05 | 59 |
| 6 | 6 | 994 | 2021-09-04 | 49 |
| 7 | 7 | 993 | 2021-09-03 | 39 |
| 8 | 8 | 992 | 2021-09-02 | 29 |
| 9 | 9 | 991 | 2021-09-01 | 19 |

**Soal No. 06. Payments => store Pembayaran oleh customer sesuai dengan akun pembayaran**

```
CREATE TABLE tb_payments(
      customerNumber int IDENTITY(1,1),
      checkNumber int NOT NULL,
      paymentDate date NOT NULL,
      amount int NOT NULL,
      PRIMARY KEY(customerNumber, checkNumber)
)

INSERT INTO tb_payments(checkNumber, paymentDate, amount)
VALUES
(999, '2021-9-9', 99),
(998, '2021-9-8', 89),
(997, '2021-9-7', 79),
(996, '2021-9-6', 69),
(995, '2021-9-5', 59),
(994, '2021-9-4', 49),
(993, '2021-9-3', 39),
(992, '2021-9-2', 29),
(991, '2021-9-1', 19);
```

| 123 employeeNumber | ABC lastName | ABC firstName | ABC extension | ABC email | ABC officeCode | ABC reportsTo | ABC jobTitle |
|---|---|---|---|---|---|---|---|
| 1 | Nard | Ber | Yes | bernard@gmail.com | B01234 | Bernard | CEO |
| 2 | Tama | Andi | Yes | Andi@gmail.com | A01233 | Andi | Sales |
| 3 | Go | Kenwus | No | Kenwus@gmail.com | K01232 | Kenwus | Developer |
| 4 | Suparman | Bambang | No | Bambang@gmail.com | B01231 | Bambang | HRD |
| 5 | Yakub | Satrial | Yes | Satrial@gmail.com | S01230 | Satrial | Staff |

## Soal No. 07. Employee => store informasi karyawan dalam sebuah organisasi struktur

```
CREATE TABLE tb_employee(
      employeeNumber int PRIMARY KEY IDENTITY(1,1),
      lastName varchar(15) NOT NULL,
      firstName varchar(15) NOT NULL,
      extension varchar(25) NOT NULL,
      email varchar(25) NOT NULL,
      officeCode varchar(15) NOT NULL,
      reportsTo varchar(25) NOT NULL,
      jobTitle varchar(25) NOT NULL,
)

INSERT INTO tb_employee(lastName, firstName, extension, email, officeCode, reportsTo,
jobTitle)
VALUES
('Nard', 'Ber', 'Yes', 'bernard@gmail.com', 'B01234', 'Bernard', 'CEO'),
('Tama', 'Andi', 'Yes', 'Andi@gmail.com', 'A01233', 'Andi', 'Sales'),
('Go', 'Kenwus', 'No', 'Kenwus@gmail.com', 'K01232', 'Kenwus', 'Developer'),
('Suparman', 'Bambang', 'No', 'Bambang@gmail.com', 'B01231', 'Bambang', 'HRD'),
('Yakub', 'Satrial', 'Yes', 'Satrial@gmail.com', 'S01230', 'Satrial', 'Staff');
```

| officeCode | city | phone | addressLine1 | addressLine2 | state | country | postalCode | territory |
|---|---|---|---|---|---|---|---|---|
| 1 | Kota Jambi | 081234567890 | Jl. Sumatera | Jl. Jelutung | Jelutung | Indonesia | 12345 | Jelutung |
| 2 | Kota Jambi | 081234567891 | Jl. Thehok | Jl. Jalan | Tambak Sari | Indonesia | 12344 | Tambak Sari |
| 3 | Kota Jambi | 081234567892 | Jl. Telanai | Jl. Antasari | Telanai | Sydney | 12343 | Telanai |
| 4 | Kota Jambi | 081234567893 | Jl. Diponegoro | Jl. Diponegoro | Kebun Handil | Indonesia | 12342 | Kebun Handil |
| 5 | Kota Jambi | 081234567894 | Jl. Thehok | Jl. Sudirman | Sipin | Indonesia | 12341 | Sipin |

**Soal No. 08. Offices => store data sales office**

```sql
CREATE TABLE tb_offices(
      officeCode int PRIMARY KEY IDENTITY(1,1),
      city varchar(15) NOT NULL,
      phone varchar (15) NOT NULL,
      addressLine1 varchar(50) NOT NULL,
      addressLine2 varchar(50) NOT NULL,
      state varchar(15) NOT NULL,
      country varchar(15) NOT NULL,
      postalCode varchar(15) NOT NULL,
      territory varchar(15) NOT NULL,
)


INSERT INTO tb_offices
VALUES
('Kota Jambi', '081234567890', 'Jl. Sumatera', 'Jl. Jelutung', 'Jelutung',
'Indonesia', '12345', 'Jelutung'),
('Kota Jambi', '081234567891', 'Jl. Thehok', 'Jl. Jalan', 'Tambak Sari', 'Indonesia',
'12344', 'Tambak Sari'),
('Kota Jambi', '081234567892', 'Jl. Telanai', 'Jl. Antasari', 'Telanai', 'Sydney',
'12343', 'Telanai'),
('Kota Jambi', '081234567893', 'Jl. Diponegoro', 'Jl. Diponegoro', 'Kebun Handil',
'Indonesia', '12342', 'Kebun Handil'),
('Kota Jambi', '081234567894', 'Jl. Thehok', 'Jl. Sudirman', 'Sipin', 'Indonesia',
12341', 'Sipin');
```