

PERTEMUAN 4

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Mambuat Database SQL Penjualan dan Gudang Perusahaan Manufaktur

7fa5417-9f6c-8009-a96f-7f4e00b6487f

ChatGPT

Bagikan

buatlah database sql untuk warehouse dan sales perusahaan manufaktur dalam bidang elektronik untuk di input di XAMPP

Berikut adalah struktur database SQL untuk perusahaan manufaktur elektronik yang mencakup Warehouse (gudang) dan Sales (penjualan). Format ini bisa langsung kamu jalankan di phpMyAdmin (XAMPP).

Struktur Sistem yang Dibuat

Kita akan buat database `manufaktur_elektronik` dengan tabel-tabel berikut:

Modul Warehouse

- `produk` – Data produk elektronik
- `kategori_produk` – Kategori produk (TV, Laptop, dll)
- `gudang` – Lokasi penyimpanan
- `stok` – Stok produk di setiap gudang
- `pemasakan` – Riwayat pemasokan ke gudang

Modul Sales

- `pelanggan` – Data customer
- `penjualan` – Transaksi penjualan
- `detail_penjualan` – Detail item per transaksi
- `pegawai` – Petugas penjualan

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SQL Script: manufaktur_elektronik.sql

```
sql

CREATE DATABASE manufaktur_elektronik;
USE manufaktur_elektronik;

-- 1. Tabel kategori produk
CREATE TABLE kategori_produk (
  id_kategori INT AUTO_INCREMENT PRIMARY KEY,
  nama_kategori VARCHAR(100)
);

-- 2. Tabel produk
CREATE TABLE produk (
  id_produk INT AUTO_INCREMENT PRIMARY KEY,
  nama_produk VARCHAR(150),
```

Tanyakan apa saja



ChatGPT dapat membuat kesalahan. Periksa info penting.

The screenshot shows the phpMyAdmin interface for the 'manufaktur_elektronik' database. The 'Structure' tab is selected, displaying a list of tables: detail_penjualan, gudang, kategori_produk, pegawai, pelanggan, pemasokan, penjualan, produk, and stok. Each table has a set of actions (Browse, Structure, Search, Insert, Empty, Drop) and metadata (Rows, Type, Collation, Size, Overhead). The 'Sum' row indicates 9 tables with a total size of 288.0 KiB.

Table	Action	Rows	Type	Collation	Size	Overhead
detail_penjualan	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
gudang	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
kategori_produk	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
pegawai	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
pelanggan	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
pemasokan	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
penjualan	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
produk	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
stok	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
9 tables	Sum	0	InnoDB	utf8mb4_general_ci	288.0 KiB	0 B

The screenshot shows the phpMyAdmin interface for the 'detail_penjualan' table. The 'Table structure' tab is selected, displaying the table's columns and their attributes. The columns are: id_detail (int(11), PRIMARY), id_penjualan (int(11)), id_produk (int(11)), jumlah (int(11)), harga_satuan (decimal(12,2)), and subtotal (decimal(12,2)). The 'Indexes' section shows the PRIMARY index on 'id_detail'.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_detail	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	id_penjualan	int(11)			Yes	NULL			Change Drop More
3	id_produk	int(11)			Yes	NULL			Change Drop More
4	jumlah	int(11)			Yes	NULL			Change Drop More
5	harga_satuan	decimal(12,2)			Yes	NULL			Change Drop More
6	subtotal	decimal(12,2)			Yes	NULL			Change Drop More

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id_detail	0	A	No	
Edit Rename Drop	id_penjualan	BTREE	No	No	id_penjualan	0	A	Yes	
Edit Rename Drop	id_produk	BTREE	No	No	id_produk	0	A	Yes	

localhost / 127.0.0.1 / manufaktur

localhost/phpmyadmin/index.php?route=/table/structure&db=manufaktur_elektronik&table=gudang

Server: 127.0.0.1 Database: manufaktur_elektronik Table: gudang

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_gudang	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	nama_gudang	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
3	lokasi	text	utf8mb4_general_ci		Yes	NULL			Change Drop More

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id_gudang	0	A	No	

Create an index on 1 columns Go

localhost / 127.0.0.1 / manufaktur

localhost/phpmyadmin/index.php?route=/table/structure&db=manufaktur_elektronik&table=kategori_produk

Server: 127.0.0.1 Database: manufaktur_elektronik Table: kategori_produk

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_kategori	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	nama_kategori	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id_kategori	0	A	No	

Create an index on 1 columns Go

No partitioning defined

localhost / 127.0.0.1 / manufaktur

localhost/phpmyadmin/index.php?route=/table/structure&db=manufaktur_elektronik&table=pegawai

Server: 127.0.0.1 Database: manufaktur_elektronik Table: pegawai

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_pegawai	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	nama_pegawai	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
3	jabatan	varchar(50)	utf8mb4_general_ci		Yes	NULL			Change Drop More
4	no_telepon	varchar(15)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id_pegawai	0	A	No	

Create an index on 1 columns Go

localhost / 127.0.0.1 / manufaktur

localhost/phpmyadmin/index.php?route=/table/structure&db=manufaktur_elektronik&table=pelanggan

Server: 127.0.0.1 Database: manufaktur_elektronik Table: pelanggan

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_pelanggan	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	nama_pelanggan	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
3	alamat	text	utf8mb4_general_ci		Yes	NULL			Change Drop More
4	no_telepon	varchar(15)	utf8mb4_general_ci		Yes	NULL			Change Drop More
5	email	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after email Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id_pelanggan	0	A	No	

Create an index on 1 columns Go

localhost / 127.0.0.1 / manufaktur

localhost/phpmyadmin/index.php?route=/table/structure&db=manufaktur_elektronik&table=pemasakan

Server: 127.0.0.1 Database: manufaktur_elektronik Table: pemasakan

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_pemasakan	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	id_produk	int(11)			Yes	NULL			Change Drop More
3	id_gudang	int(11)			Yes	NULL			Change Drop More
4	tanggal	date			Yes	NULL			Change Drop More
5	jumlah	int(11)			Yes	NULL			Change Drop More
6	supplier	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after supplier Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id_pemasakan	0	A	No	
Edit Rename Drop	id_produk	BTREE	No	No	id_produk	0	A	Yes	
Edit Rename Drop	id_gudang	BTREE	No	No	id_gudang	0	A	Yes	

localhost / 127.0.0.1 / manufaktur

localhost/phpmyadmin/index.php?route=/table/structure&db=manufaktur_elektronik&table=penjualan

Server: 127.0.0.1 Database: manufaktur_elektronik Table: penjualan

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_penjualan	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	id_pelanggan	int(11)			Yes	NULL			Change Drop More
3	id_pegawai	int(11)			Yes	NULL			Change Drop More
4	tanggal_penjualan	date			Yes	NULL			Change Drop More
5	total	decimal(12,2)			Yes	NULL			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after total Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id_penjualan	0	A	No	
Edit Rename Drop	id_pelanggan	BTREE	No	No	id_pelanggan	0	A	Yes	
Edit Rename Drop	id_pegawai	BTREE	No	No	id_pegawai	0	A	Yes	

Sign in localhost / 127.0.0.1 / manufaktur: x

localhost/phpmyadmin/index.php?route=/table/structure&db=manufaktur_elektronik&table=produk

Server: 127.0.0.1 Database: manufaktur_elektronik Table: produk

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_produk	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	nama_produk	varchar(150)	utf8mb4_general_ci		Yes	NULL			Change Drop More
3	id_kategori	int(11)			Yes	NULL			Change Drop More
4	merk	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
5	harga	decimal(12,2)			Yes	NULL			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after harga Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id_produk	0	A	No	
Edit Rename Drop	id_kategori	BTREE	No	No	id_kategori	0	A	Yes	

Create an index on 1 columns Go

Sign in localhost / 127.0.0.1 / manufaktur: x

localhost/phpmyadmin/index.php?route=/table/structure&db=manufaktur_elektronik&table=stok

Server: 127.0.0.1 Database: manufaktur_elektronik Table: stok

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_stok	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	id_produk	int(11)			Yes	NULL			Change Drop More
3	id_gudang	int(11)			Yes	NULL			Change Drop More
4	jumlah	int(11)			Yes	NULL			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after jumlah Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id_stok	0	A	No	
Edit Rename Drop	id_produk	BTREE	No	No	id_produk	0	A	Yes	
Edit Rename Drop	id_gudang	BTREE	No	No	id_gudang	0	A	Yes	

Create an index on 1 columns Go

Console