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PERTEMUAN 3 : Membuat database perpustakaan sederhana dengan bantuan XAMPP

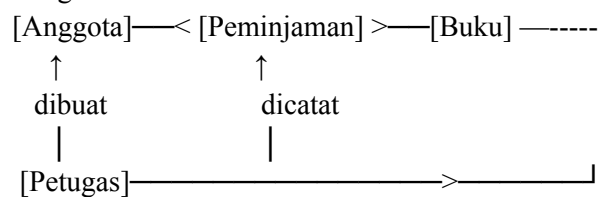
Perintah AI : Tolong Buatlah sistem perpustakaan lengkap dengan ERD, database dan struktur tabel dari databasenya, buat secara terpisah dengan tutorialnya menggunakan XAMPP

Jalankan XAMPP lalu Buka browser → ketik localhost/phpmyadmin

Import Database Pilih file [.sql](#) (isi script di atas) dan Klik [Go](#)

Cek Database (tabel-tabel: [anggota](#), [buku](#), [petugas](#), [peminjaman](#))

Langkah :



Hasil :

PERPUSTAKAAN

The screenshot shows the phpMyAdmin interface for a database named 'perpustakaan'. The left sidebar shows the database structure, including 'perpustakaan' and its tables: 'anggota', 'buku', 'peminjaman', and 'petugas'. The main panel displays the 'Structure' tab for the 'perpustakaan' database, showing a list of tables with their respective actions (Browse, Structure, Search, Insert, Empty, Drop) and details (Rows, Type, Collation, Size, Overhead).

Table	Action	Rows	Type	Collation	Size	Overhead
anggota	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
buku	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
peminjaman	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	64.0 KiB	-
petugas	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
4 tables	Sum	0	InnoDB	utf8mb4_general_ci	112.0 KiB	0 B

Below the table list, there is a 'Create new table' button and a form to create a new table, including fields for 'Table name' and 'Number of columns' (set to 4).

- tabel anggota

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=anggota

Server: 127.0.0.1 > Database: perpustakaan > Table: anggota

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking More

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_anggota	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	nama	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
3	alamat	text	utf8mb4_general_ci		Yes	NULL			Change Drop More
4	no_telp	varchar(15)	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 no_telp Go

Indexes

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

Create an index on 1 columns Go

Console

- tabel buku

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=buku

Server: 127.0.0.1 > Database: perpustakaan > Table: buku

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking More

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_buku	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	judul	varchar(150)	utf8mb4_general_ci		Yes	NULL			Change Drop More
3	penulis	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
4	penerbit	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
5	tahun_terbit	year(4)			Yes	NULL			Change Drop More
6	stok	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 stok Go

Indexes

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

Console

- tabel peminjaman

The screenshot shows the phpMyAdmin interface for the 'peminjaman' table in the 'perpustakaan' database. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_peminjaman	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	id_anggota	int(11)			Yes	NULL			Change Drop More
3	id_buku	int(11)			Yes	NULL			Change Drop More
4	id_petugas	int(11)			Yes	NULL			Change Drop More
5	tanggal_pinjam	date			Yes	NULL			Change Drop More
6	tanggal_kembali	date			Yes	NULL			Change Drop More
7	status	enum('dipinjam', 'dikembalikan')	utf8mb4_general_ci		Yes	NULL			Change Drop More

Below the table structure, there are options to 'Check all', 'With selected', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Spatial', and 'Fulltext'. There is also a section for 'Indexes' with a table showing the primary key for 'id_peminjaman'.

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY		BTREE	Yes	No	id_peminjaman	0	A	No	

- tabel petugas

The screenshot shows the phpMyAdmin interface for the 'petugas' table in the 'perpustakaan' database. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_petugas	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	nama_petugas	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
3	username	varchar(50)	utf8mb4_general_ci		Yes	NULL			Change Drop More
4	password	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Below the table structure, there are options to 'Check all', 'With selected', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Spatial', and 'Fulltext'. There is also a section for 'Indexes' with a table showing the primary key for 'id_petugas'.

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY		BTREE	Yes	No	id_petugas	0	A	No	