

Revisi Praktikum 2 Sistem Basis Data 2024

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Kelas : D

RDBMS : MySQL Workbench

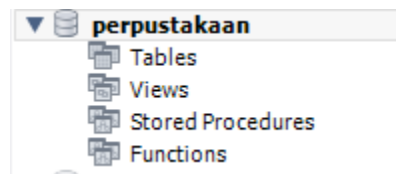
Link SQL : <https://drive.google.com/file/d/1rtVEq9FtpRWYtqSuOI-iMwIbb3dLe8z6/view?usp=sharing>

Kode Asdos : SBDD01

Sesi : Praktikum Sesi 2, 12 November 2024

❖ Buat Database

JAWAB :



❖ Buat Tabel Entitas dan Masukkan Atribut nya

JAWAB :

• Author

id_authors	author_name	nationality	birthdate
AU001	Michael Brown	Amerika	1990-03-30
AU002	Andi Saputra	Indonesia	1988-10-02
AU003	Yuki Nakamura	Jepang	1973-01-22
AU004	Kim Min Joon	Korea Selatan	1982-04-18
AU005	James Williams	Inggris	1962-12-04

• Books

id_books	ISBN	title	year_published	synopsis	stock	genre_id	author_id	publisher_id
BK001	9780123456789	Jejak Peradaban	2010	Menggali sejarah Indonesia.	5	GR001	AU002	PB003
BK002	9781234567890	Small Steps	2005	Strategi praktis untuk kebiasaan positif.	3	GR003	AU003	PB002
BK003	9782345678901	Complete Dictionary	2020	Panduan lengkap untuk istilah teknologi.	7	GR005	AU001	PB001
BK004	9783456789012	Breaking Barriers	2018	Kisah luar biasa Nelson Mandela.	2	GR004	AU005	PB001
BK005	9784567890123	Light at the End	2024	Novel tentang harapan dan persahabatan.	4	GR002	AU004	PB004

• Books_Borrows

book_id	borrow_id
BK001	1
BK001	2
BK003	2
BK004	3
BK005	4
BK002	5

- Borrows

id_borrows	borrow_date	return_date	due_date	fine	member_NIK	employee_id
1	2024-05-06	2024-05-20	2024-05-20	NULL	3326162409040002	EM004
2	2024-07-14	2024-07-29	2024-07-28	5000.00	3525017006950028	EM001
3	2024-09-22	2024-10-08	2024-10-06	10000.00	3525017006520020	EM003
4	2024-10-03	2024-10-20	2024-10-17	15000.00	3305040901072053	EM002
5	2024-11-02	NULL	2024-11-16	NULL	3326161509700004	EM005

- Employees

id_employees	name_employees	email_employees	gender_employees	phone_number_employees	address_employees	positions_id
EM001	Andi Gading	andi@gmail.com	P	081628492610	Jl. Merdeka No. 10	PS001
EM002	Budi Sitombing	budi@gmail.com	L	085864927581	Jl. Sukun Raya No.25	PS003
EM003	Jennifer Tina	tina@gmail.com	P	089603471812	Jl. Pahlawan No.5	PS001
EM004	Lili Sari	lili@gmail.com	P	088385793136	Jl. Cendana No.8	PS002
EM005	Alexander Agus	agus@gmail.com	L	088273659814	Jl. Bunga No. 12	PS001

- Genres

id_genres	genre_name	description_genres
GR001	Sejarah	Buku yang mengulas peristiwa atau era tertentu, memberikan wawasan tentang masa lalu.
GR002	Fiksi	Cerita imajinatif yang dibuat oleh penulis, tidak didasarkan pada fakta nyata.
GR003	Pengembangan Diri	Buku yang memberikan panduan untuk meningkatkan kualitas hidup atau keterampilan.
GR004	Biografi	Menceritakan kehidupan seseorang dengan detail dari lahir hingga akhir hidupnya.
GR005	Referensi	Buku yang berfungsi sebagai sumber rujukan lengkap, seperti kamus atau ensiklopedia.

- Members

NIK	name_members	email_members	gender_members	address_members	phone_number_members
3305040901072053	Teddy Widodo	teddy@gmail.com	L	Jl. Anggrek No. 17	085782306818
3326161509700004	Beni Soeharti	beni@gmail.com	L	Jl. Raya No.56	0812345678919
3326162409040002	Citra Kirana	citra@gmail.com	P	Jl. Cinta No.45	088374628921
3525017006520020	Nico Parto	nico@gmail.com	L	Jl. Kenanga No.33	089675329117
3525017006950028	Jasmine Neroli	jasmine@gmail.com	P	Jl. Melati No.9	083285716164

- Positions

id_positions	position_name	admin_access
PS001	Pustakawan	1
PS002	Kebersihan	0
PS003	Keamanan	0

- Publishers

id_publishers	name_publishers	address_publishers	country_publishers	email_publishers
PB001	Silver Oak Publishing	1234 Elm Street	Amerika Serikat	silveroak1234@gmail.com
PB002	Blue Sky Books	9012 Pine Road	Jepang	bluesky9012@gmail.com
PB003	Green Leaf Press	5678 Maple Avenue	Indonesia	greenleaf5678@gmail.com
PB004	Golden Dragon Publishing	3456 Bamboo Lane	China	goldendragon3456@gmail.com
PB005	Red River Press	7890 Cherry Blossom Drive	Perancis	redriver7890@gmail.com

JAWABAN NO 3 dan 6 :

ALTER TABLE books_borrows DROP FOREIGN KEY books_borrows_ibfk_2;
 ALTER TABLE borrows DROP PRIMARY KEY, MODIFY id_borrows INT
 AUTO_INCREMENT, ADD PRIMARY KEY (id_borrows);
 ALTER TABLE books_borrows ADD FOREIGN KEY (borrow_id) REFERENCES
 borrows(id_borrows);

JAWABAN NO 7 :

id_borrows	borrow_date	return_date	due_date	fine	member_NIK	employee_id
1	2024-05-06	2024-05-20	2024-05-20	NULL	3326162409040002	EM004
2	2024-07-14	2024-07-29	2024-07-28	5000.00	3525017006950028	EM001
3	2024-09-22	2024-10-08	2024-10-06	10000.00	3525017006520020	EM003
4	2024-10-03	2024-10-20	2024-10-17	15000.00	3305040901072053	EM002
5	2024-11-02	2024-11-14	2024-11-16	NULL	3326161509700004	EM005

JAWABAN NO 8 :

id_borrows	borrow_date	return_date	due_date	fine	member_NIK	employee_id
1	2024-05-06	2024-05-20	2024-05-20	NULL	3326162409040002	EM004
2	2024-07-14	2024-07-29	2024-07-28	5000.00	3525017006950028	EM001
3	2024-09-22	2024-10-08	2024-10-06	NULL	3525017006520020	EM003
4	2024-10-03	2024-10-20	2024-10-17	NULL	3305040901072053	EM002
5	2024-11-02	2024-11-14	2024-11-16	NULL	3326161509700004	EM005
6	2024-11-03	NULL	2024-11-17	NULL	3326161509700004	EM005

JAWABAN NO 9 :

id_books	ISBN	title	year_published	synopsis	stock	genre_id	author_id	publisher_id
BK001	9780123456789	Jejak Peradaban	2010	Menggal sejarah Indonesia.	5	GR001	AU002	PB003
BK002	9781234567890	Small Steps	2005	Strategi praktis untuk kebiasaan positif.	3	GR003	AU003	PB002
BK003	9782345678901	Complete Dictionary	2020	Panduan lengkap untuk istilah teknologi.	7	GR005	AU001	PB001
BK004	9783456789012	Breaking Barriers	2018	Kisah luar biasa Nelson Mandela.	2	GR004	AU005	PB001
BK005	9784567890123	Light at the End	2024	Novel tentang harapan dan persahabatan.	4	GR002	AU004	PB004

JAWABAN NO 10 :

id_employees	name_employees	email_employees	gender_employees	phone_number_employees	address_employees	positions_id
EM001	Andi Gading	andi@gmail.com	P	081628492610	Jl. Merdeka No. 10	PS001
EM002	Budi Sitombing	budi@gmail.com	L	085864927581	Jl. Sukun Raya No.25	PS003
EM003	Jennifer Tina	tina@gmail.com	P	089603471812	Jl. Pahlawan No.5	PS001
EM004	Lili Sari	lili@gmail.com	P	088385793136	Jl. Cendana No.8	PS002
EM005	Alexander Agus	agus@gmail.com	L	088273659814	Jl. Bunga No. 12	PS001
EM006	Aspas Gata	aspasgata@gmail.com	L	0895323390308	Jl. Badut No.62	PS001

JAWABAN NO 11 :

id_employees	name_employees	email_employees	gender_employees	phone_number_employees	address_employees	positions_id
EM001	Andi Haki	andi@gmail.com	L	081628492611	Jl. Merdeka No. 10	PS001
EM002	Budi Sitombing	budi@gmail.com	L	085864927581	Jl. Sukun Raya No. 25	PS003
EM003	Jennifer Tina	tina@gmail.com	P	089603471812	Jl. Pahlawan No. 5	PS001
EM004	Lili Sari	lili@gmail.com	P	088385793136	Jl. Cendana No.8	PS002
EM005	Alexander Agus	agus@gmail.com	L	088273659814	Jl. Bunga No. 12	PS001
EM006	Aspas Gata	aspasgata@gmail.com	L	0895323390308	Jl. Badut No.62	PS001

JAWABAN NO 12 :

book_id	borrow_id
BK001	1
BK004	3
BK005	4
BK002	5

id_employees	name_employees	email_employees	gender_employees	phone_number_employees	address_employees	positions_id
EM001	Andi Haki	andi@gmail.com	L	081628492611	Jl. Merdeka No. 10	PS001
EM002	Budi Sitombing	budi@gmail.com	L	085864927581	Jl. Sukun Raya No.25	PS003
EM003	Jennifer Tina	tina@gmail.com	P	089603471812	Jl. Pahlawan No.5	PS001
EM004	Lili Sari	lili@gmail.com	P	088385793136	Jl. Cendana No.8	PS002
EM005	Alexander Agus	agus@gmail.com	L	088273659814	Jl. Bunga No. 12	PS001