

Tugas MBD

Soal :

Tugas di rumah NRP Ganjil

- Skema:

- Author (a_id: int, a_name: string)
- Book (b_id: int, b_title: string, a_id: int)
- User (u_id: int, u_name: string, u_phone)
- Peminjaman (p_id, p_tanggal, b_id, u_id)

Tugas di Rumah (NRP Ganjil)

- Pertanyaan:

1. Cari judul buku yang dipinjam oleh Maria Angge
2. Cari nama user yang meminjam buku Edensor, bukan buku lain
3. Untuk setiap penulis, tampilkan jumlah peminjam paling banyak dan judul bukunya
4. Tampilkan judul buku yang dipinjam oleh Karolina Smith dan Alessandra Pragua
5. Tampilkan nama user yang tidak melakukan transaksi pada tanggal 09/02/2022
6. Cari penulis yang bukunya paling banyak dipinjam
7. Cari nama buku yang dipinjam lebih dari 2 kali

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1.

Query:

```
1  --1
2  select b_title from peminjaman as p
3  join book as b on b.b_id = p.b_id
4  join users as u on p.u_id = u.u_id
5  where u.u_name like 'Maila Angge'
6
```

Output:

Explain	Data Output	Messa
	b_title character varying (50)	
1	Rumah Kaca	
2	Negeri 5 Menara	
3	Bumi Manusia	
4	Harry Potter	
5	Bulan	

2.

Query:

```
8  --2
9  select u_name from users
10 join peminjaman on users.u_id = peminjaman.u_id
11 join book on peminjaman.b_id = book.b_id
12 where book.b_title like 'Edensor'
```

Output:

Explain	Data Output	Messages	Notifications
	u_name character varying (50)		
1	Alessandra Pragua		




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3.

Query:

```
14  --3
15  select a_name, count(book.b_id) as jumlah from author
16  join book on book.a_id = author.a_id
17  join peminjaman on book.b_id = peminjaman.b_id
18  join users on peminjaman.u_id = users.u_id
19  group by a_name
20  order by jumlah desc
```

Output :

	Explain	Data Output	Messages	Notifications
		a_name character varying (50) 	jumlah bigint 	
1		Tere Liye	6	
2		Ahmad Fuadi	6	
3		Pramoedya Ananta Toer	5	
4		J.K. Rowling	3	
5		Haruki Murakami	3	
6		Andrea Hirata	1	
7		Dan Brown	1	

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4.

Query:

```
22  --4
23  select distinct b_title as judul_buku from book
24  join peminjaman on book.b_id = peminjaman.b_id
25  join users on peminjaman.u_id = users.u_id
26  where users.u_name = 'Karolina Smith' or users.u_name = 'Alessandra Pragua'
27
```

Output:

Explain	Data Output	Messages	Notifications
	judul_buku character varying (50) 		
1	1Q84		
2	Bulan		
3	Edensor		
4	Harry Potter		
5	Negeri 5 Menara		
6	Rumah Kaca		

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5.

Query:

```
28 --5
29 select u_name as nama,p_tanggal as tanggal from users
30 join peminjaman on users.u_id = peminjaman.u_id
31 where not p_tanggal = '2022-02-9'
32 ORDER BY tanggal ASC
```

Output:

	nama	tanggal	
	character varying (50)	date	
1	Alessandra Pragua	2022-02-05	
2	Johnny King	2022-02-05	
3	Maila Angge	2022-02-05	
4	Maila Angge	2022-02-06	
5	Alessandra Pragua	2022-02-06	
6	Karolina Smith	2022-02-06	
7	Johnny King	2022-02-06	
8	August Mayer	2022-02-06	
9	Alessandra Pragua	2022-02-07	
10	Johnny King	2022-02-07	
11	Ralph Wegger	2022-02-07	
12	Ralph Wegger	2022-02-07	
13	Karolina Smith	2022-02-08	
14	Maila Angge	2022-02-08	
15	Ralph Wegger	2022-02-08	
16	Maila Angge	2022-02-08	
17	Ralph Wegger	2022-02-10	
18	August Mayer	2022-02-10	
19	Johnny King	2022-02-10	

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6.

Query:

```
34  --6
35  select distinct a_name, count(peminjaman.b_id) as jumlah from author
36  join book on book.a_id = author.a_id
37  join peminjaman on book.b_id = peminjaman.b_id
38  join users on peminjaman.u_id = users.u_id
39  group by a_name
40  order by jumlah desc
41  limit 1
42
```

Output:

Explain	Data Output	Messages	Notifications
	a_name character varying (50)	jumlah bigint	
1	Ahmad Fuadi	6	




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7.

Query:

```
44 --7
45 select b_title,count(peminjaman.b_id) as jumlah from author
46 join book on book.a_id = author.a_id
47 join peminjaman on book.b_id = peminjaman.b_id
48 join users on peminjaman.u_id = users.u_id
49 group by b_title
50 having count(book.b_id) > 2
51 order by jumlah asc
```

Output:

	Explain	Data Output	Messages	Notificati
		b_title character varying (50)	 jumlah bigint 	
1		Harry Potter	3	
2		1Q84	3	
3		Rumah Kaca	3	
4		Negeri 5 Menara	5	