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:

- Cari <u>judul buku</u> yang <u>dipinjam</u> oleh Maria <u>Angge</u>
- 2. Cari nama user yang meminjam buku Edensor, bukan buku lain
- 3. <u>Untuk setiap penulis, tampilkan jumlah peminjam</u> paling <u>banyak</u> dan <u>judul</u> <u>bukunya</u>
- Tampilkan judul buku yang dipinjam oleh Karolina Smith dan Alessandra Pragua
- 5. <u>Tampilkan nama</u> user yang <u>tidak melakukan transaksi</u> pada <u>tanggal</u> 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'
```

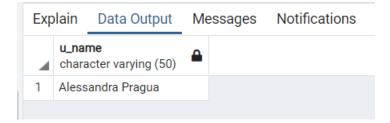
Output:

Exp	lain	Data Output	Messa			
4	b_title	e acter varying (50)				
1	Ruma	ah Kaca				
2	Nege					
3	Bumi Manusia					
4	Harry	Potter				
5	Bular	1				

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'
```



3.

Query:

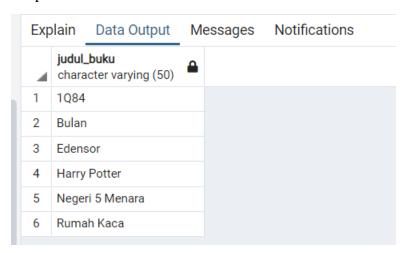
```
14 --3
15 select a_name,count(book.b_id) as jumlah from author
16 join book on book.a_id = author.a_id
17 join peminjaman on book.b_id = peminjaman.b_id
18 join users on peminjaman.u_id = users.u_id
19 group by a_name
20 order by jumlah desc
```

Exp	lain	Data Output	M	essages		Notifications
4	a_nar	ne octer varying (50)		jumlah bigint	<u></u>	
1	Tere L	_iye			6	
2	Ahma	ıd Fuadi			6	
3	Pram	oedya Ananta Toe	r		5	
4	J.K. R	lowling			3	
5	Haruk	i Murakami			3	
6	Andre	ea Hirata			1	
7	Dan B	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'
```



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
```

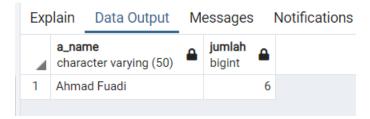
Expl	ain Data Output	Me	ssages	Not
4	nama character varying (50)	<u></u>	tanggal date	<u></u>
1	Alessandra Pragua		2022-02-0)5
2	Johnny King		2022-02-0)5
3	Maila Angge		2022-02-0)5
4	Maila Angge		2022-02-0	16
5	Alessandra Pragua		2022-02-0	16
6	Karolina Smith		2022-02-0	16
7	Johnny King		2022-02-0	16
8	August Mayer		2022-02-0	16
9	Alessandra Pragua		2022-02-0)7
10	Johnny King		2022-02-0)7
11	Ralph Wegger		2022-02-0)7
12	Ralph Wegger		2022-02-0)7
13	Karolina Smith		2022-02-0	18
14	Maila Angge		2022-02-0	8
15	Ralph Wegger		2022-02-0	8
16	Maila Angge		2022-02-0	8
17	Ralph Wegger		2022-02-1	0
18	August Mayer		2022-02-1	0
19	Johnny King		2022-02-1	0

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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
```



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7.

Query:

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

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