

Buatlah query DB/MYSQL untuk menampilkan data sebagai berikut :

```
CREATE database dumbbook;

USE dumbbook;

CREATE TABLE `book_tb` (
  `id` int(11) UNSIGNED PRIMARY KEY AUTO_INCREMENT,
  `name` varchar(255) NOT NULL,
  `category_id` int(11) NOT NULL,
  `writer_id` int(11) NOT NULL,
  `publication_year` int(4) NOT NULL,
  `img` varchar(255) NOT NULL
);

CREATE TABLE `category_tb` (
  `id` int(11) UNSIGNED PRIMARY KEY AUTO_INCREMENT,
  `name` varchar(255) NOT NULL
);

CREATE TABLE `writer_tb` (
  `id` int(11) UNSIGNED PRIMARY KEY AUTO_INCREMENT,
  `name` varchar(255) NOT NULL
);

INSERT INTO `category_tb` (`id`,`name`) VALUES
(1,'PHP'),
(2,'Software Engineering'),
(3,'Kecerdasan Buatan'),
(4,'Matematika'),
(5,'Algoritma');

INSERT INTO `writer_tb` (`id`,`name`) VALUES
(1,'Rosa A.S'),
(2,'Suyanto'),
(3,'Wikaria G.'),
(4,'Awan P.B'),
(5,'Sandi F.R'),
(6,'Rinaldi M.');
```

```
INSERT INTO `book_tb` (`name`,`category_id`,`writer_id`,`publication_year`,`img`)
VALUES
('Rekayasa perangkat lunak',2,1,2018,'rpl.jpg'),
('Buku Machine Learning Tingkat Dasar Dan Lanjut',3,2,2018,'ml.jpg'),
('Matriks & Transformasi Linear',4,1,2017,'mt.jpg'),
('Konsep Dan Implementasi Pemrograman Laravel 5',1,4,2018,'lv.jpg'),
('Algoritma dan Pemrograman dalam bahasa Pascal C dan C++',5,6,2019,'al.jpg'),
('Membangun Aplikasi dengan PHP, Codeigniter, dan AJAX',1,5,2018,'ci.jpg');
```

Hasil :

```
Terminal - mysql -u root -p create.sql
File Edit View Terminal Tabs Help
MariaDB [dumbbook]> CREATE TABLE `book_tb` (
-> `id` int(11) UNSIGNED PRIMARY KEY AUTO_INCREMENT,
-> `name` varchar(255) NOT NULL,
-> `category_id` int(11) NOT NULL,
-> `writer_id` int(11) NOT NULL,
-> `publication_year` int(4) NOT NULL,
-> `img` varchar(255) NOT NULL
-> );
Query OK, 0 rows affected (0.264 sec)

MariaDB [dumbbook]> CREATE TABLE `category_tb` (
-> `id` int(11) UNSIGNED PRIMARY KEY AUTO_INCREMENT,
-> `name` varchar(255) NOT NULL
-> );
Query OK, 0 rows affected (0.196 sec)

MariaDB [dumbbook]> CREATE TABLE `writer_tb` (
-> `id` int(11) UNSIGNED PRIMARY KEY AUTO_INCREMENT,
-> `name` varchar(255) NOT NULL
-> );
Query OK, 0 rows affected (0.229 sec)

MariaDB [dumbbook]> |
```

Tampilkan seluruh data dari table book

*SELECT * FROM book_tb;*

Hasil :

```
Terminal - mysql -u root -p
File Edit View Terminal Tabs Help
MariaDB [dumbbook]> SELECT * FROM book_tb;
+-----+-----+-----+-----+-----+-----+
| id | name | category_id | writer_id | publication_year | img |
+-----+-----+-----+-----+-----+-----+
| 1 | Rekayasa perangkat lunak | 2 | 1 | 2018 | rpl.jpg |
| 2 | Buku Machine Learning Tingkat Dasar Dan Lanjut | 3 | 2 | 2018 | ml.jpg |
| 3 | Matriks & Transformasi Linear | 4 | 1 | 2017 | mt.jpg |
| 4 | Konsep Dan Implementasi Pemrograman Laravel 5 | 1 | 4 | 2018 | lv.jpg |
| 5 | Algoritma dan Pemrograman dalam bahasa Pascal C dan C++ | 5 | 6 | 2019 | al.jpg |
| 6 | Membangun Aplikasi dengan PHP, Codeigniter, dan AJAX | 1 | 5 | 2018 | ci.jpg |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)

MariaDB [dumbbook]> |
```

Tampilkan seluruh data book, category dan penulis

```
SELECT a.*, b.*, c.* FROM book_tb a JOIN category_tb b ON a.category_id=b.id JOIN writer_tb c ON a.writer_id=c.id;
```

Hasil :

```
Terminal - mysql -u root -p
File Edit View Terminal Tabs Help
MariaDB [dumbbook]> SELECT a.*, b.*, c.* FROM book_tb a JOIN category_tb b ON a.category_id=b.id JOIN writer_tb c ON a.writer_id=c.id;
```

id	name	category_id	writer_id	publication_year	img	id	name	id	name
4	Konsep Dan Implementasi Pemrograman Laravel 5	1	4	2018	lv.jpg	1	PHP	4	Awan P.B
6	Membangun Aplikasi dengan PHP, Codeigniter, dan AJAX	1	5	2018	ci.jpg	1	PHP	5	Sandi F.R
1	Rekayasa perangkat lunak	2	1	2018	rpl.jpg	2	Software Engineering	1	Rosa A.S
2	Buku Machine Learning Tingkat Dasar Dan Lanjut	3	2	2018	ml.jpg	3	Kecerdasan Buatan	2	Suyanto
3	Matriks & Transformasi Linear	4	1	2017	mt.jpg	4	Matematika	1	Rosa A.S
5	Algoritma dan Pemrograman dalam bahasa Pascal C dan C++	5	6	2019	al.jpg	5	Algoritma	6	Rinaldi M.

```
6 rows in set (0.000 sec)
```

Tampilkan seluruh data penulis

```
SELECT * FROM writer_tb;
```

Hasil :

```
Terminal - mysql -u root -p
File Edit View Terminal Tabs Help
MariaDB [dumbbook]> SELECT * FROM writer_tb;
```

id	name
1	Rosa A.S
2	Suyanto
3	Wikaria G.
4	Awan P.B
5	Sandi F.R
6	Rinaldi M.

```
6 rows in set (0.001 sec)

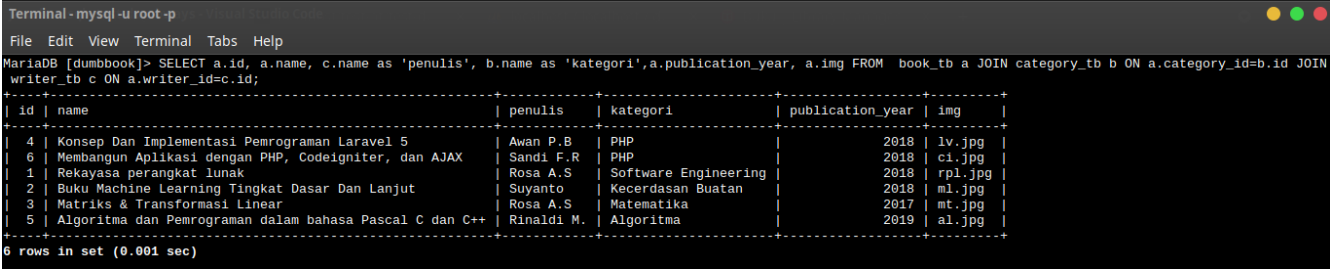
MariaDB [dumbbook]> |
```

Tampilkan spesifik book beserta, category maupun penulis.

```
SELECT a.id, a.name, c.name as 'penulis', b.name as 'kategori', a.publication_year, a.img FROM  
book_tb a JOIN category_tb b ON a.category_id=b.id
```

```
JOIN writer_tb c ON a.writer_id=c.id;
```

Hasil :

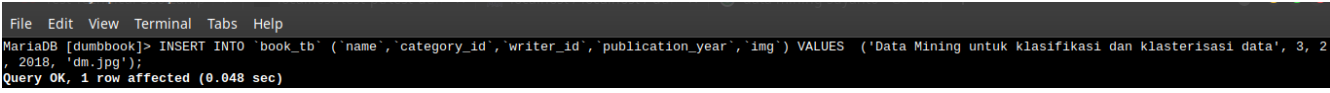


```
Terminal - mysql -u root -p
File Edit View Terminal Tabs Help
MariaDB [dumbbook]> SELECT a.id, a.name, c.name as 'penulis', b.name as 'kategori', a.publication_year, a.img FROM book_tb a JOIN category_tb b ON a.category_id=b.id JOIN
writer_tb c ON a.writer_id=c.id;
+-----+-----+-----+-----+-----+-----+
| id | name | penulis | kategori | publication_year | img |
+-----+-----+-----+-----+-----+-----+
| 4 | Konsep Dan Implementasi Pemrograman Laravel 5 | Awan P.B | PHP | 2018 | lv.jpg |
| 6 | Membangun Aplikasi dengan PHP, Codeigniter, dan AJAX | Sandi F.R | PHP | 2018 | ci.jpg |
| 1 | Rekayasa perangkat lunak | Rosa A.S | Software Engineering | 2018 | rpl.jpg |
| 2 | Buku Machine Learning Tingkat Dasar Dan Lanjut | Suyanto | Kecerdasan Buatan | 2018 | ml.jpg |
| 3 | Matriks & Transformasi Linear | Rosa A.S | Matematika | 2017 | mt.jpg |
| 5 | Algoritma dan Pemrograman dalam bahasa Pascal C dan C++ | Rinaldi M. | Algoritma | 2019 | al.jpg |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)
```

Screen shootkan juga hasil query POST / menambah data

```
INSERT INTO `book_tb` (`name`,`category_id`,`writer_id`,`publication_year`,`img`) VALUES  
('Data Mining untuk klasifikasi dan klasterisasi data', 3, 2, 2018, 'dm.jpg');
```

Hasil :



```
File Edit View Terminal Tabs Help
MariaDB [dumbbook]> INSERT INTO `book_tb` (`name`,`category_id`,`writer_id`,`publication_year`,`img`) VALUES ('Data Mining untuk klasifikasi dan klasterisasi data', 3, 2, 2018, 'dm.jpg');
Query OK, 1 row affected (0.048 sec)
```