

TUGAS QUERY INDEX

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1. QUERY INDEX CHECK OUT RESERVATIONS

HASIL EXPLAIN SEBELUM INDEXING:

“EXPLAIN SELECT * FROM reservations WHERE check_in >= '2024-01-01';

Your SQL query has been executed successfully.

```
EXPLAIN SELECT * FROM reservations WHERE check_in >= '2024-01-01';
```

[Edit inline] [Edit] [Skip Explain SQL] [Analyze Explain at mariadb.org] [Create PHP code]

Extra options

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	reservations	NULL	ALL	NULL	NULL	NULL	NULL	4	33.33	Using where

SETELAH DILAKUKAN INDEXING :

Your SQL query has been executed successfully.

```
EXPLAIN SELECT * FROM reservations WHERE check_in >= '2024-01-01';
```

[Edit inline] [Edit] [Skip Explain SQL] [Analyze Explain at mariadb.org] [Create PHP code]

Extra options

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	reservations	NULL	range	idx_check_in	idx_check_in	4	NULL	4	100.00	Using index condition

2. QUERY INDEX CUSTOMERS:

“ EXPLAIN SELECT * FROM customers WHERE name = 'Bob Brown'; ”

Your SQL query has been executed successfully.

```
EXPLAIN SELECT * FROM customers WHERE name = 'Bob Brown';
```

[Edit inline] [Edit] [Skip Explain SQL] [Analyze Explain at mariadb.org] [Create PHP code]

Extra options

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	customers	NULL	ALL	NULL	NULL	NULL	NULL	4	25.00	Using where

PROSES INDEX:

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0516 seconds.)

CREATE INDEX idx_name ON customers (name);

[Edit inline][Edit][Create PHP code]

SETELAH DILAKUKAN INDEX:

Your SQL query has been executed successfully.

EXPLAIN SELECT * FROM customers WHERE name = 'Bob Brown';

[Edit inline][Edit][Skip Explain SQL][Analyze Explain at mariadb.org][Create PHP code]

Extra options

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	customers	NULL	ref	idx_name	idx_name	403	const	1	100.00	NULL

3. QUERY INDEX PAYMENTS:
“ EXPLAIN SELECT * FROM payments WHERE payment_date = '2024-11-03'; ”

Your SQL query has been executed successfully.

EXPLAIN SELECT * FROM payments WHERE payment_date = '2024-11-03';

[Edit inline][Edit][Skip Explain SQL][Analyze Explain at mariadb.org][Create PHP code]

Extra options

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	payments	NULL	ALL	NULL	NULL	NULL	NULL	4	25.00	Using where

PROSES INDEX:

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0379 seconds.)

CREATE INDEX idx_payments_date ON payments (payment_date);

[Edit inline][Edit][Create PHP code]

SETELAH DILAKUKAN INDEX:

Your SQL query has been executed successfully.

EXPLAIN SELECT * FROM payments WHERE payment_date = '2024-11-03';

[Edit inline][Edit][Skip Explain SQL][Analyze Explain at mariadb.org][Create PHP code]

Extra options

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	payments	NULL	ref	idx_payments_date	idx_payments_date	4	const	1	100.00	NULL

4. QUERY SEBELUM INDEX :
- EXPLAIN SELECT * FROM rooms WHERE type = 'Single';

Your SQL query has been executed successfully.

EXPLAIN SELECT * FROM rooms WHERE type = 'Single';

[Edit inline][Edit][Skip Explain SQL][Analyze Explain at mariadb.org][Create PHP code]

Extra options

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	rooms	NULL	ALL	NULL	NULL	NULL	NULL	4	25.00	Using where

PROSES INDEX:

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0409 seconds.)

```
CREATE INDEX idx_type ON rooms (type);
```

[[Edit inline](#)] [[Edit](#)] [[Create PHP code](#)]

SETELAH DILAKUKAN INDEX:

Your SQL query has been executed successfully.

```
EXPLAIN SELECT * FROM rooms WHERE type = 'Single';
```

[[Edit inline](#)] [[Edit](#)] [[Skip Explain SQL](#)] [[Analyze Explain at mariadb.org](#)] [[Create PHP code](#)]

Extra options

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	rooms	NULL	ref	idx_type	idx_type	203	const	1	100.00	NULL

LINK DATABASE NYA :

https://drive.google.com/drive/folders/1Cmw-elRCKBoDSCX3aBF2VVOWtn4O9ZZI?usp=drive_link