

SQL





P	Introduction to Sample DB	P	SQL Arithmetic Operation
ф	SQL Modification: CREATE	†	SQL Basic Queries FAQ
ф	SQL Basic Queries: SELECT	į.	SQL Modification: INSERT
$\dot{\Box}$	SQL Basic Queries: LIMIT	Ė	SQL Modification: UPDATE
†	SQL Basic Queries: WHERE		SQL Modification: DELETE
	SQL Basic Queries: ORDER BY		



Introduction to Sar	nple DB	SQL Arithmetic Operation
SQL Modification: 0	CREATE	SQL Basic Queries FAQ
SQL Basic Queries:	SELECT	SQL Modification: INSERT
SQL Basic Queries:	LIMIT	SQL Modification: UPDATE
SQL Basic Queries:	WHERE	SQL Modification: DELETE
SQL Basic Queries:	ORDER BY	



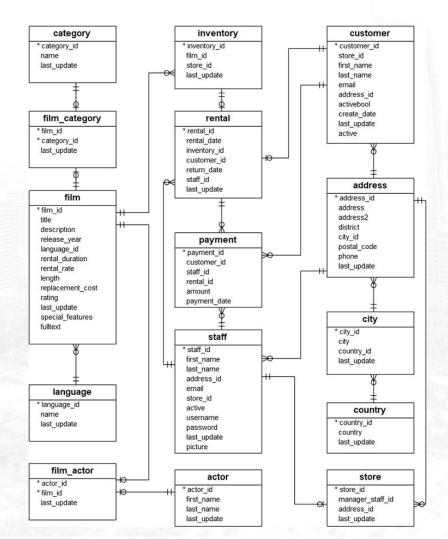
Hands-On Required:

Resources:

- dvdrental.tar
- rakafood.zip

Klik disini untuk mengakses folder Database

Entity Relationship Diagram DVDRental









RakaFood

service pembelian makanan secara online

- rakamin_customers
- rakamin_orders
 - rakamin_merchant
 - rakamin_customer_address



	Introduction to Sample DB	P	SQL Arithmetic Operation
ψ̈́.	SQL Modification: CREATE	ф	SQL Basic Queries FAQ
†	SQL Basic Queries: SELECT	į.	SQL Modification: INSERT
ψ̈́	SQL Basic Queries: LIMIT	Ė.	SQL Modification: UPDATE
†	SQL Basic Queries: WHERE		SQL Modification: DELETE
Ġ	SQL Basic Queries: ORDER BY		



	Introduction to Sample DB	早	SQL Arithmetic Operation
	SQL Modification: CREATE	ļ.	SQL Basic Queries FAQ
þ	SQL Basic Queries: SELECT	ļ.	SQL Modification: INSERT
į.	SQL Basic Queries: LIMIT	Ė.	SQL Modification: UPDATE
†	SQL Basic Queries: WHERE	Ó	SQL Modification: DELETE
Ġ	SQL Basic Queries: ORDER BY		



CREATE - Definisi

CREATE merupakan klausa yang digunakan untuk membuat tabel baru.

```
CREATE TABLE [IF NOT EXISTS] table_name (
    column1 datatype [constraints],
    column2 datatype [constraints],
    column3 datatype [constraints],
    ....
);

CREATE TABLE [IF NOT EXISTS]
table_name AS (
    "Tambahkan SELECT query disini"
);
);
```

Klausa IF NOT EXISTS bersifat opsional, jika ditambahkan maka RDBMS tidak akan memberikan sinyal error jika tabel yang kita buat ternyata sudah ada.



Tipe Data

Berikut adalah daftar tipe data yang dapat digunakan untuk persyaratan dalam membuat tabel.

Tipe Data	Deskripsi	Ukuran Penyimpanan
integer	Bilangan bulat	4 bytes
double precision	Variable bilangan dengan presisi.	8 bytes
varchar	Variabel karakter dengan panjang tertentu dengan batasan.	
Timestamp Tanggal dan waktu tanpa zonasi waktu.		8 bytes
Boolean	Keadaan benar atau salah	1 byte

Info lebih lanjut:



Batasan

Constraints atau batasan adalah aturan memaksa yang diterapkan pada kolom-kolom data pada tabel. Berikut adalah jenis-jenis kendala pada PostgreSQL:

Nama Kendala	Deskripsi
NOT NULL	Memastikan bahwa kolom tidak akan memiliki nilai kosong.
UNIQUE	Memastikan bahwa semua nilai pada kolom berbeda satu dengan yang lain.
PRIMARY KEY	Berperan sebagai identifier unik untuk setiap baris data.
FOREIGN KEY	Kendala didefinisikan pada kolom di tabel lain.

Info lebih lanjut:



Hands-On

Buatlah tabel rakamin_merchant yang berisikan id merchant, nama merchant dan status keaktifannya.

```
tutorial/postgres@local@postgres >
Query Editor Query History
    CREATE TABLE IF NOT EXISTS rakamin_merchant_active (
        merchant_id INT PRIMARY KEY NOT NULL,
        merchant_name VARCHAR(50) UNIQUE,
        active BOOLEAN NOT NULL
```



Hands-On

Buatlah tabel rakamin_active_customers dari tabel rakamin_customer.



	Introduction to Sample DB	P	SQL Arithmetic Operation
	SQL Modification: CREATE	ġ.	SQL Basic Queries FAQ
†	SQL Basic Queries: SELECT	ļ.	SQL Modification: INSERT
ψ̈́	SQL Basic Queries: LIMIT	į.	SQL Modification: UPDATE
Ġ.	SQL Basic Queries: WHERE		SQL Modification: DELETE
Ġ	SQL Basic Queries: ORDER BY		



	Introduction to Sample DB	P	SQL Arithmetic Operation
	SQL Modification: CREATE	ļ.	SQL Basic Queries FAQ
	SQL Basic Queries: SELECT	þ	SQL Modification: INSERT
	SQL Basic Queries: LIMIT	Ė.	SQL Modification: UPDATE
5	SQL Basic Queries: WHERE		SQL Modification: DELETE
-	SQL Basic Queries: ORDER BY		



Perintah Dasar SQL

- Select, untuk memilih kolom yang ingin diambil
- Limit, membatasi jumlah row pada tabel yang diambil
- Where, membatasi/filter/mengambil spesifik data yang diambil
- Order By, mengurutkan data setelah data diambil



Digunakan untuk memilih kolom apa saja yang ingin diambil dari tabel

Deskripsi	Perintah dalam SQL
Ambil semua kolom	SELECT * FROM <nama tabel=""></nama>
Ambil beberapa kolom saja	SELECT kolom_1, kolom_2, kolom_10 FROM <nama tabel=""></nama>



Contoh 1: Bagaimana isi dari tabel film?

Query	Editor	Query I	History	
1	select *			
2	from film			
3				
4				
5				
3				
Data	Dutput	Explain	Messages Notifications	S
	film_id [PK] inte	ger 🎤	title character varying (255)	description text
1		133	Chamber Italian	A Fateful Reflection of a Moose And a Husband who must Overcome a Monkey in Nigeria
2		384	Grosse Wonderful	A Epic Drama of a Cat And a Explorer who must Redeem a Moose in Australia
3		8	Airport Pollock	A Epic Tale of a Moose And a Girl who must Confront a Monkey in Ancient India
4		98	Bright Encounters	A Fateful Yarn of a Lumberjack And a Feminist who must Conquer a Student in A Jet Boat
5		1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies
6		2	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China
7		3	Adaptation Holes	A Astounding Reflection of a Lumberjack And a Car who must Sink a Lumberjack in A Baloon Factory
8		4	Affair Prejudice	A Fanciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank
9		5	African Egg	A Fast-Paced Documentary of a Pastry Chef And a Dentist who must Pursue a Forensic Psychologist in The Gulf of Mexico



Contoh 2:

Apa saja title film yang tersedia untuk disewakan?

Query I	Editor Query History			
1	select title			
2	from film			
3				
4				
5				
Data O	utput Explain Messages	Notifications		
	title character varying (255)			
1	Chamber Italian			
2	Grosse Wonderful			
3	Airport Pollock			
4	Bright Encounters			
5	Academy Dinosaur			



Contoh 3: Ingin melihat kode film id, judul dan juga tahun rilis dari masing-masing film.

uery l	Editor Query F	listory			
1 select film_id, title, release_year					
2 from film					
	TTOM TTO				
3					
4					
5					
ata O	utput Explain	Messages Notification	S		
	film_id	title	release_year		
4	[PK] integer	character varying (255)	integer		
1	133	Chamber Italian	2006		
2	384	Grosse Wonderful	2006		
3	8	Airport Pollock	2006		
4	98	Bright Encounters	2006		
5	1	Academy Dinosaur	2006		
6	2	Ace Goldfinger	2006		
7	3	Adaptation Holes	2006		
8	4	Affair Prejudice	2006		
9	5	African Egg	2006		



Memanggil kolom dengan syntax [tabel].[kolom]

aciy i	Editor Query	History		
1	select			
2	film	film.film_id,		
3	film	n.title,		
4	film	n.release_year		
5	from			
6 film				
ata O	utput Messa	ges Explain Notificatio	ns	
oata O	film_id [PK] integer	ges Explain Notificatio title character varying (255)	rs release_year integer	
ata O	film_id	title character varying (255)	release_year	
4	film_id [PK] integer	title character varying (255)	release_year integer	
1	film_id [PK] integer	title character varying (255) Chamber Italian Grosse Wonderful	release_year integer 2006	
1 2	film_id [PK] integer 133	title character varying (255) Chamber Italian Grosse Wonderful Airport Pollock	release_year integer 2006	
2	film_id [PK] integer 133 384	title character varying (255) Chamber Italian Grosse Wonderful Airport Pollock Bright Encounters	release_year integer 2006 2006 2006	



	Introduction to Sample DB	P	SQL Arithmetic Operation
	SQL Modification: CREATE	Image: Control of the	SQL Basic Queries FAQ
	SQL Basic Queries: SELECT	-	SQL Modification: INSERT
ψ̈́	SQL Basic Queries: LIMIT	į.	SQL Modification: UPDATE
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h.	SOL Basic Oueries: ORDER BY		



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	SQL Basic Queries: LIMIT	į į	SQL Modification: UPDATE
†	SQL Basic Queries: WHERE	Ò	SQL Modification: DELETE
	SQL Basic Queries: ORDER BY		



Perintah Dasar 2 - LIMIT

Digunakan untuk membatasi jumlah baris/row yang ingin diambil dari tabel (Perintah diletakan di paling bawah)

Deskripsi	Perintah dalam SQL
Ambil n baris teratas	SELECT* FROM <nama tabel=""> LIMIT n</nama>
Ambil n baris teratas setelah melangkahi m baris terlebih dahulu	SELECT kolom_1, kolom_2, kolom_10 FROM <nama tabel=""> LIMIT n OFFSET m</nama>



Perintah Dasar 2 - LIMIT

Contoh 1: Apa isi 5 baris teratas dari tabel film?

40.	ery Editor Que	ery History				
1	select	*				
2	from f	ilm				
3	limit	5				
4						
5						
Dat	ta Output Exp	lain Messages Not	ifications			
4	film_id [PK] integer	title character varying (255)	description text	release_year integer	langu smal	
1	133			2006		
2 384 Grosse Wonderful A Epic Drama of a Cat And a Explorer who must Redeem a Moose in Australia 200		Chamber italian	A lateral Nellection of a Woose And a Hasband who must overcome a Workey in Nigeria	2006		
2	384			2006		
2	384 8					
	8	Grosse Wonderful	A Epic Drama of a Cat And a Explorer who must Redeem a Moose in Australia	2006		



Perintah Dasar 2 - LIMIT

Contoh 2: Apa isi baris ke 6-10 dari tabel film?

Query	Editor Query History
1	select *
2	from film
3	limit 5 offset 5

4	film_id [PK] integer	title character varying (255)	description text	rele
1	2	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China	
2	3	Adaptation Holes	A Astounding Reflection of a Lumberjack And a Car who must Sink a Lumberjack in A Baloon Factory	
3	4	Affair Prejudice	A Fanciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank	
4	5	African Egg	A Fast-Paced Documentary of a Pastry Chef And a Dentist who must Pursue a Forensic Psychologist in The Gulf of Mexico	
5	6	Agent Truman	A Intrepid Panorama of a Robot And a Boy who must Escape a Sumo Wrestler in Ancient China	



	Introduction to Sample DB	P	SQL Arithmetic Operation
	SQL Modification: CREATE	¢	SQL Basic Queries FAQ
	SQL Basic Queries: SELECT	\(\dots\)	SQL Modification: INSERT
	SQL Basic Queries: LIMIT	į.	SQL Modification: UPDATE
ф.	SQL Basic Queries: WHERE		SQL Modification: DELETE
\Box	SQL Basic Queries: ORDER BY		



Introduction to Sample DB	P	SQL Arithmetic Operation
SQL Modification: CREATE	į.	SQL Basic Queries FAQ
SQL Basic Queries: SELECT	ļ.	SQL Modification: INSERT
SQL Basic Queries: LIMIT	į.	SQL Modification: UPDATI
SQL Basic Queries: WHERE	Image: Control of the	SQL Modification: DELETE
SQL Basic Queries: ORDER BY		



Digunakan untuk membatasi / filter pada spesifik kolom tertentu saja (Perintah diletakan tepat setelah *FROM* (tabel))

Deskripsi	Perintah dalam SQL
Ambil semua kolom dan kolom_1 = xxxx	SELECT * FROM <nama tabel=""> WHERE kolom_1 = xxxx</nama>
Ambil beberapa kolom saja dan kolom_2 = yyyy	SELECT kolom_1, kolom_2, kolom_10 FROM <nama tabel=""> WHERE kolom_2 = yyyy</nama>



Contoh 1:

Film apa saja yang memiliki rental_duration = 3?

1,000					
Query	Editor Query	History			
1	<pre>select film_id, title, rental_duration</pre>				
2	from film				
3	<pre>where rental_duration = 3</pre>				
4	where renear_auracion				
5					
Data (Output Explai	n Messages Notifica	ations		
4	film_id [PK] integer	title character varying (255)	rental_duration smallint		
1	2	Ace Goldfinger	3		
2	6	Agent Truman	3		
3	9	Alabama Devil	3		
4	17	Alone Trip	3		
5	21	American Circus	3		
6	23	Anaconda Confessions	3		
7	25	Angels Life	3		
8		Annie Identity	3		
9		Arizona Bang	3		
		120			



Kita juga bisa menggunakan tipe data lain selain integer

Tipe data	Perintah dalam SQL	
string	SELECT * FROM <nama tabel=""> WHERE kolom_1 = 'xxxx' SELECT kolom_1, kolom_2, kolom_10 FROM <nama tabel=""> WHERE kolom_2 = 'yyyy-mm-dd'</nama></nama>	
date		
null	SELECT kolom_1, kolom_2, kolom_10 FROM <nama tabel=""> WHERE kolom_3 IS NULL</nama>	



Contoh 2: Bagaimana deskripsi dari film Frost Head?

Que	ery Editor Que	ery History				
1	select	*				
2	from film					
3	<pre>where title = 'Frost Head'</pre>					
Dat	a Output Mes	sages Explain Notificat	tions			
	a Output Mes	ssages Explain Notificat title character varying (255)	tions description text			
	film_id [PK] integer	title	description			



Contoh 3 : Adakah order rental yang terjadi pada rental_date = 2005-07-29 08:40:36 ?

Que	ery Editor Qu	uery History						
1	select *							
2	<pre>from rental where rental_date = '2005-07-29 08:40:36'</pre>							
3								
4								
4 5								
5	ta Output Exp	xplain Messages Notification	ns					
5	rentaLid [PK] integer	cplain Messages Notification rentaLdate timestamp without time zone	inventory_id integer	customer_id smallint	return_date timestamp without time zone	staff_id smallint	last_update timestamp without time zone	
5	rentaLid ,	rental_date timestamp without time zone	inventory_id		timestamp without time zone	-	timestamp without time zone	



Contoh 4 : Adakah alamat dengan address2 yang kosong?

Query Editor Query History

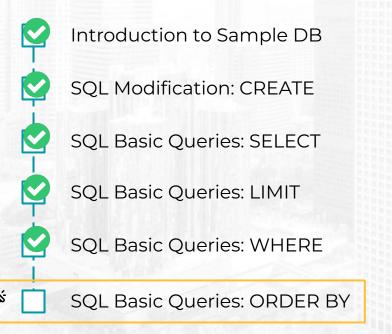
- select *
- 2 from address
- 3 where address2 is null

4	address_id [PK] integer	address character varying (50)	address2 character varying (50)	district character varying (20)	city_id smallint	postal_code character varying (10)	phone character varying (20)	tin
1	1	47 MySakila Drive	[null]	Alberta	300			20
2	2	28 MySQL Boulevard	[null]	QLD	576			20
3	3	23 Workhaven Lane	[null]	Alberta	300		14033335568	20
4	4	1411 Lillydale Drive	[null]	QLD	576		6172235589	20



	Introduction to Sample DB	P	SQL Arithmetic Operation
	SQL Modification: CREATE	į.	SQL Basic Queries FAQ
	SQL Basic Queries: SELECT	<u></u>	SQL Modification: INSERT
	SQL Basic Queries: LIMIT	į.	SQL Modification: UPDATE
	SQL Basic Queries: WHERE		SQL Modification: DELETE
b	SQL Basic Queries: ORDER BY		





P	SQL Arithmetic Operation
ф	SQL Basic Queries FAQ
ψ.	SQL Modification: INSERT
÷.	SQL Modification: UPDATE
	SQL Modification: DELETE



Perintah Dasar 4 - ORDER BY

Digunakan untuk mengurutkan data dari besar ke kecil (Descending) atau kecil ke besar (Ascending) pada kolom tertentu setelah data diambil.

Deskripsi	Perintah dalam SQL
Ambil semua kolom dan diurutkan berdasarkan kolom_1 dari kecil ke besar (ascending).	SELECT * FROM <nama tabel=""> ORDER BY kolom_1 ASC</nama>
Ambil beberapa kolom saja dan diurutkan berdasarkan kolom_1 dari besar ke kecil (descending)	SELECT kolom_1, kolom_2, kolom_10 FROM <nama tabel=""> ORDER BY kolom_1 DESC</nama>



Perintah Dasar 4 - ORDER BY

Query Editor Query History

1 select *

2 from customer

	customer_id .	store_id .	first_name .	last_name
4	[PK] integer	store_id smallint	character varying (45)	character varying (45)
1	524	1	Jared	Ely
2	1	1	Mary	Smith
3	2	1	Patricia	Johnson
4	3	1	Linda	Williams
5	4	2	Barbara	Jones
6	5	1	Elizabeth	Brown
7	6	2	Jennifer	Davis
8	7	1	Maria	Miller
9	8	2	Susan	Wilson
10	0	2	Margaret	Moore



- 1 select *
- 2 from customer
- 3 order by first_name

4	customer_id [PK] integer	store_id smallint	first_name character varying (45)	last_name character varying (45)
1	375	2	Aaron	Selby
2	367	1	Adam	Gooch
3	525	2	Adrian	Clary
4	217	2	Agnes	Bishop
5	389	1	Alan	Kahn
6	352	1	Albert	Crouse
7	568	2	Alberto	Henning
8	454	2	Alex	Gresham
9	439	2	Alexander	Fennell
10	422	2	Alfred	Cacillac



Perintah Dasar 4 - ORDER BY

Query Editor Query History

1 select *

2 from customer

Data (Output Explain	Messages	Notifications	
4	customer_id [PK] integer	store_id smallint	first_name character varying (45)	last_name character varying (45)
1	524	1	Jared	Ely
2	1	1	Mary	Smith
3	2	1	Patricia	Johnson
4	3	1	Linda	Williams
5	4	2	Barbara	Jones
6	5	1	Elizabeth	Brown
7	6	2	Jennifer	Davis
8	7	1	Maria	Miller
9	8	2	Susan	Wilson
10	0	2	Margaret	Moore

Query Editor Query History

1 select *

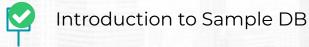
2 from customer

3 order by first_name desc

110000000				
4	customer_id [PK] integer	store_id smallint	first_name character varying (45)	last_name character varying (45)
1	479	1	Zachary	Hite
2	174	2	Yvonne	Watkins
3	190	2	Yolanda	Weaver
4	212	2	Wilma	Richards
5	359	2	Willie	Markham
6	219	2	Willie	Howell
7	303	2	William	Satterfield
8	578	2	Willard	Lumpkin
9	469	2	Wesley	Bull
10	115	1	Wondy	Harrison



SQL Fundamentals



SQL Modification: CREATE

SQL Basic Queries: SELECT

SQL Basic Queries: LIMIT

SQL Basic Queries: WHERE

SQL Basic Queries: ORDER BY

SQL Arithmetic Operation

SQL Basic Queries FAQ

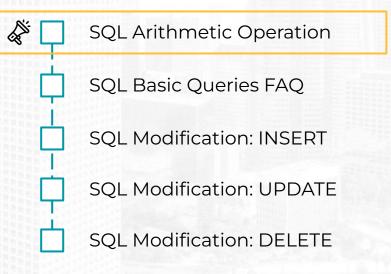
SQL Modification: INSERT

SQL Modification: UPDATE



SQL Fundamentals







Penggunaan Operator Aritmatika

Tidak hanya menggunakan angka saja, namun kita juga bisa menggunakan operator aritmatika di dalam query.

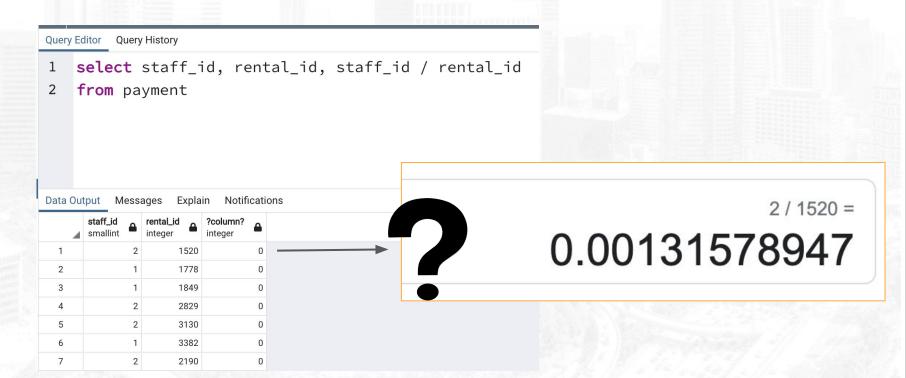
Contoh 5 : Ambil kolom **customer_id, rental_id, amount** pada tabel **payment**, kali kolom **amount** dengan 14000

			_id, rent	al_id,	amount, amount * 14000
f	rom paym	ent			
ita Out	tput Explain	Messages	Notifications		
	customer_id _	rental_id _	amount _	?column?	
	smallint	integer	numeric (5,2)	numeric	
1	341	1520	7.99	111860.00	
2	341	1778	1.99	27860.00	
3	341	1849	7.99	111860.00	
4	341	2829	2.99	41860.00	
5	341	3130	7.99	111860.00	
6	341	3382	5.99	83860.00	
7	342	2190	5.99	83860.00	
8	342	2914	5.99	83860.00	
9	342	3081	2.99	41860.00	



Penggunaan Operator Aritmatika

Contoh 5: Hasil pembagian staff_id dengan rental_id dari tabel payment.





SQL Fundamentals



Introduction to Sample DB



SQL Modification: CREATE



SQL Basic Queries: SELECT



SQL Basic Queries: LIMIT



SQL Basic Queries: WHERE



SQL Basic Queries: ORDER BY



SQL Arithmetic Operation



SQL Basic Queries FAQ



SQL Modification: INSERT



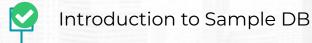
SQL Modification: UPDATE





SQL Fundamentals

S.



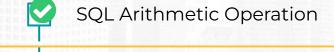
SQL Modification: CREATE

SQL Basic Queries: SELECT

SQL Basic Queries: LIMIT

SQL Basic Queries: WHERE

SQL Basic Queries: ORDER BY



SQL Modification: INSERT

SQL Basic Queries FAQ

SQL Modification: UPDATE



F.A.Q

- Apakah SQL case sensitive? Huruf kecil / besar sama tidak?
 Keyword di SQL tidak case sensitive. Namun untuk nama tabel / kolom mengikuti aturan RDBMS yang digunakan, ada yang case sensitive dan ada juga
- Apakah harus menggunakan semicolon (;) di akhir query?
 Semicolon menandakan akhir dari satu query. Penggunaan semicolon ini wajib jika ingin menjalankan lebih dari satu query sekaligus. Jika hanya ingin menjalankan satu query, tergantung dari aturan RDBMS yang digunakan, biasanya
- Apakah ada ketentuan tertentu untuk indentasi?
 Tidak ada. Indentasi biasanya hanya untuk keperluan kosmetik/estetika agar query lebih mudah dipahami.



SQL Fundamentals



Introduction to Sample DB



SQL Modification: CREATE



SQL Basic Queries: SELECT



SQL Basic Queries: LIMIT



SQL Basic Queries: WHERE



SQL Basic Queries: ORDER BY



SQL Arithmetic Operation



SQL Basic Queries FAQ



SQL Modification: INSERT



SQL Modification: UPDATE





SQL Fundamentals



Introduction to Sample DB



SQL Modification: CREATE



SQL Basic Queries: SELECT



SQL Basic Queries: LIMIT



SQL Basic Queries: WHERE



SQL Basic Queries: ORDER BY



SQL Arithmetic Operation



SQL Basic Queries FAQ



SQL Modification: INSERT



SQL Modification: UPDATE





INSERT - Definisi

INSERT merupakan klausa untuk melakukan penambahan data baru kedalam sebuah tabel.

Perintah Dalam SQL
INSERT INTO table_name (column1, column2,) VALUES (value1, value2,);
INSERT INTO table_name (column1, column2,) VALUES (value1, value2,), (value1, value2,),



Hands-On

Inputkan data kedalam tabel rakamin_merchant_active, yang valuenya berupa:

- merchant_id = 1
- merchant_name = 'merchant_l'
- active = true

```
volume to the first of the second control of the second contr
```



Hands-On

Inputkan data kedalam tabel rakamin_merchant_active, yang valuenya berupa:

- merchant_id -> 2, 3, dan 4
- merchant_name -> 'merchant_2', 'merchant_3' dan 'merchant_4'
- active -> TRUE, FALSE, TRUE

```
tutorial/postgres@local@postgres \
Query Editor     Query History

INSERT INTO rakamin_merchant_active
VALUES
(2, 'merchant_2', TRUE),
(3, 'merchant_3', FALSE),
(4, 'merchant_4', TRUE);
```



SQL Fundamentals



Introduction to Sample DB



SQL Modification: CREATE



SQL Basic Queries: SELECT



SQL Basic Queries: LIMIT



SQL Basic Queries: WHERE



SQL Basic Queries: ORDER BY



SQL Arithmetic Operation



SQL Basic Queries FAQ



SQL Modification: INSERT



SQL Modification: UPDATE





SQL Fundamentals



Introduction to Sample DB



SQL Modification: CREATE



SQL Basic Queries: SELECT



SQL Basic Queries: LIMIT



SQL Basic Queries: WHERE



SQL Basic Queries: ORDER BY



SQL Arithmetic Operation



SQL Basic Queries FAQ



SQL Modification: INSERT





SQL Modification: UPDATE





UPDATE

Nilai-nilai dalam tabel di setiap kolom dapat diubah sesuai kebutuhan. Dengan klausa UPDATE, kita dapat mengubah nilai pada kolom-kolom tertentu.

Perintah dalam SQL

UPDATE table_name
SET column1 = value1, column2 = value2, ...
WHERE condition

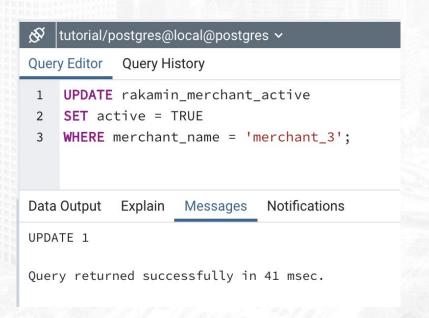


Hands-On

Ubah status aktif dari merchant_3 menjadi aktif pada tabel rakamin_merchant_active

- merchant_id = 1
- merchant_name = 'merchant_1'
- active = true

0	tutorial/postgre	es@local@postgres 🗸	
Que	ery Editor Quer	y History	
139 140 141 142	SELECT * F	ROM rakamin_mercha	nt_active;
Dat	a Output Expla	ain Messages Notifi	cations
4	merchant_id [PK] integer	merchant_name character varying (50)	active boolean
1	1	merchant_1	true
2	2	merchant_2	true
3	3	merchant_3	false
4	4	merchant_4	true





SQL Fundamentals



Introduction to Sample DB



SQL Modification: CREATE



SQL Basic Queries: SELECT



SQL Basic Queries: LIMIT



SQL Basic Queries: WHERE



SQL Basic Queries: ORDER BY



SQL Arithmetic Operation



SQL Basic Queries FAQ



SQL Modification: INSERT



SQL Modification: UPDATE





SQL Fundamentals



Introduction to Sample DB



SQL Modification: CREATE



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SQL Basic Queries: WHERE



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SQL Basic Queries FAQ



SQL Modification: INSERT



SQL Modification: UPDATE







DELETE

Untuk menghapus data pada sebuah tabel, dapat menggunakan klausa DELETE

Perintah dalam SQL

DELETE FROM table_name WHERE condition



HANDS-ON

Hapus baris dari tabel rakamin_merchant_active dengan merchant_id = 2

Que	ery Editor Que	ery History	
139 140 141 142	SELECT *	FROM rakamin_mercha	nt_active;
Dat	a Output Exp	lain Messages Notif	ications
	manual and dal	marchant name	
4	merchant_id [PK] integer	merchant_name character varying (50)	active boolean
1		character varying (50)	<i>A</i>
1 2	[PK] integer	character varying (50) merchant_1	boolean
	[PK] integer	character varying (50) merchant_1 merchant_2	boolean true

ශූ	tutorial/p	ostgres@	local@postgre	es ×
Que	ry Editor	Query H	istory	
1 2			akamin_merc t_id = 2 ;	hant_active
Data	Output	Explain	Messages	Notifications
	Output	Explain	Messages	Notifications



NOTES

Jika ingin mengubah atau menghapus data tertentu menggunakan UPDATE atau DELETE, jangan lupa untuk menambahkan klausa WHERE sebab akan berakibat FATAL, karena dapat memanipulasi keseluruhan data.



SQL Fundamentals



Introduction to Sample DB



SQL Modification: CREATE



SQL Basic Queries: SELECT



SQL Basic Queries: LIMIT



SQL Basic Queries: WHERE



SQL Basic Queries: ORDER BY



SQL Arithmetic Operation



SQL Basic Queries FAQ



SQL Modification: INSERT



SQL Modification: UPDATE

