


8-2-1 INSERT

 student/postgres@student

Query Editor Query History

```
1 create table tbl (  
2  
3 c1 int,  
4 c2 text,  
5 c3 date,  
6 c4 text default 'AAA'  
7  
8 );
```

Data Output Explain Messages Notifications

CREATE TABLE

Query returned successfully in 317 msec.


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Query Editor Query History

```
1 insert into tbl values (1, 'AAA', '2019-07-01', 'ZZZ');  
2  
3 select * from tbl;
```

Data Output Explain Messages Notifications

	c1 integer	c2 text	c3 date	c4 text
1	1	AAA	2019-07...	ZZZ


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Query Editor Query History

```
1 insert into tbl(c1) values (2);  
2  
3 select * from tbl;
```

Data Output Explain Messages Notifications

	c1 integer	c2 text	c3 date	c4 text
1	1	AAA	2019-07...	ZZZ
2	2	[null]	[null]	AAA

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Query Editor Query History

```
1 insert into tbl(c1) values (3), (4);  
2  
3 select * from tbl;
```

Data Output Explain Messages Notifications

	c1 integer	c2 text	c3 date	c4 text
1	1	AAA	2019-07...	ZZZ
2	2	[null]	[null]	AAA
3	3	[null]	[null]	AAA
4	4	[null]	[null]	AAA

```
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Query Editor Query History
1 create table data(
2
3 c1 int,
4 c2 text,
5 c3 date,
6 c4 text default 'AAA'
7
8 );
```

```
student/postgres@student
Query Editor Query History
1 insert into data values (1, 'AAA', '2019-07-01', 'ZZZ');
2
3 select * from data;
```

Data Output Explain Messages Notifications

	c1 integer	c2 text	c3 date	c4 text
1	1	AAA	2019-07...	ZZZ

SELECTの結果をINSERTに利用することも可能である。
挿入するデータの代わりに、SELECTした結果を、dataテーブルに格納している。

```
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Query Editor Query History
1 insert into data select * from data;
2
3 select * from data;
```

Data Output Explain Messages Notifications

	c1 integer	c2 text	c3 date	c4 text
1	1	AAA	2019-07...	ZZZ
2	1	AAA	2019-07...	ZZZ

8-2-2 UPDATE

```
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Query Editor Query History
1 select * from tbl;
```

Data Output Explain Messages Notifications

	c1 integer	c2 text	c3 date	c4 text
1	1	AAA	2019-07...	ZZZ
2	2	[null]	[null]	AAA
3	3	[null]	[null]	AAA
4	4	[null]	[null]	AAA

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Query Editor Query History					
<pre> 1 delete from tbl where c1 >= 2; 2 3 select * from tbl; </pre>					
Data Output Explain Messages Notifications					
	c1 integer	c2 text	c3 date	c4 text	
1	1	AAA	2019-07...	ZZZ	

テーブルの準備が整ったので、ここからデータの挿入を行っていく。

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Query Editor Query History					
<pre> 1 update tbl set c2 = 'ZZZ', c3 = '2019-07-02' where c1=1; 2 3 select * from tbl; </pre>					
Data Output Explain Messages Notifications					
	c1 integer	c2 text	c3 date	c4 text	
1	1	ZZZ	2019-07-02	ZZZ	


次のように、副問い合わせを使用することも可能。

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Query Editor Query History					
<pre> 1 update tbl set (c2, c3) = (select c2, c3 from tbl where c1=2) where c1=1; </pre>					
Data Output Explain Messages Notifications					
UPDATE 1					
Query returned successfully in 187 msec.					

SET以下が長いだけで、それ以外は単純に、tblのc1=1の行を抽出しているだけ。

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Query Editor Query History					
<pre> 1 select * from tbl; </pre>					
Data Output Explain Messages Notifications					
	c1 integer	c2 text	c3 date	c4 text	
1	1	[null]	[null]	ZZZ	

8-2-3 DELETE

 student/postgres@student

Query Editor
Query History

```


1 insert into tbl values(2, 'AAA', '2019-07-02', 'ZZZ');
2 select * from tbl;

```

Data Output
Explain
Messages
Notifications

	c1 integer	c2 text	c3 date	c4 text
1		1 [null]	[null]	ZZZ
2		2 AAA	2019-07-02	ZZZ

1行目を削除する。

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Query Editor
Query History

```

1 delete from tbl where c1=1;
2 select * from tbl;

```

Data Output
Explain
Messages
Notifications

	c1 integer	c2 text	c3 date	c4 text
1		2 AAA	2019-07-02	ZZZ