

Operations on Emp database

The screenshot shows the pgAdmin 4 interface with the 'emp' table selected in the left-hand tree. The 'Query Editor' tab is active, displaying the query `select * from emp;`. The 'Data Output' tab shows the results of the query, which includes 12 rows of employee data. A green status bar at the bottom right indicates 'Successfully run. Total query runtime: 155 msec, 15 rows affected.'

empid	ename	job	mgr	hiredate	sal	comm	deptno
1	Mayur	CLERK		2010-06-03	800.00	0.00	20
2	Ashish	CLERK		1998-10-19	800.00	0.00	20
3	mayur	SALESMAN		2011-08-10	1600.00	300.00	30
4	Sanket	SALESMAN		2012-03-06	1250.00	500.00	30
5	Falzan	MANAGER		1999-10-05	2975.00	[null]	20
6	Ashish	SALESMAN		2005-12-08	1950.00	1400.00	30
7	ashwini	MANAGER		1958-06-02	2850.00	[null]	30
8	Aditya	MANAGER		1978-05-03	2450.00	[null]	10
9	Shradha	ANALYST		2005-03-06	3000.00	[null]	20
10	Akshay	PRESIDENT		0209-06-09	5000.00	0.00	10
11	Varsha	SALESMAN					
12	Vishnu	CLERK					

`select empid,ename from emp where empid not in(9,10,5,2,3);`

The screenshot shows the pgAdmin 4 interface with the 'emp' table selected in the left-hand tree. The 'Query Editor' tab is active, displaying the query `select empid,ename from emp where empid not in(9,10,5,2,3);`. The 'Data Output' tab shows the results of the query, which includes 10 rows of employee data. A green status bar at the bottom right indicates 'Successfully run. Total query runtime: 160 msec, 10 rows affected.'

empid	ename
1	Mayur
2	Sanket
3	Ashish
4	ashwini
5	Aditya
6	11 Varsha
7	12 Vishnu
8	13 Amruta
9	14 Vikram
10	15 Sonali

select ename,empid from emp where sal >1000;

The screenshot shows the pgAdmin 4 interface. The Query Editor contains the following SQL query:

```
1 select ename,empid from emp where sal >1000;
```

The Data Output tab displays the results of the query in a table with two columns: ename (character varying (50)) and empid (integer [PK]).

ename	empid
mayur	3
Sanket	4
Faizan	5
Ashish	6
ashwini	7
Aditya	8
Shradhha	9
Akshay	10
Varsha	11
Vishnu	12
Amruta	13
Vikram	14
Sonali	15

select empid,ename from emp order by empid limit 5;

The screenshot shows the pgAdmin 4 interface. The Query Editor contains the following SQL query:

```
1 select empid,ename from emp order by empid limit 5;
```

The Data Output tab displays the results of the query in a table with two columns: empid (integer [PK]) and ename (character varying (50)).

empid	ename
1	Mayur
2	Ashish
3	mayur
4	Sanket
5	Faizan

A green status bar at the bottom indicates: "Successfully run. Total query runtime: 172 msec. 5 rows affected."

select empid,ename from emp order by empid offset 3 limit 5;

The screenshot shows the pgAdmin 4 interface. The Query Editor contains the following SQL query:

```
1 select empid,ename from emp order by empid offset 3 limit 5;
```

The Data Output tab shows the results of the query:

empid [PK] integer	ename character varying (50)
4	Sanket
5	Faizan
6	Ashish
7	ashwini
8	Aditya

select empid,ename from emp order by empid DESC offset 3 limit 5 ;

The screenshot shows the pgAdmin 4 interface. The Query Editor contains the following SQL query:

```
1 select empid,ename from emp order by empid DESC offset 3 limit 5 ;
```

The Data Output tab shows the results of the query:

empid [PK] integer	ename character varying (50)
12	Vishnu
11	Varsha
10	Akshay
9	Shradha
8	Aditya

**select empid,ename from emp Where ename
in('Mayur','Sanket','Ashish') or ename='Amruta';**

The screenshot shows the pgAdmin 4 interface. The Query Editor contains the following SQL query:

```
1 select empid,ename from emp Where ename in('Mayur','Sanket','Ashish') or ename='Amruta';
```

The Data Output tab displays the results of the query in a table with two columns: empid [PK] integer and ename character varying (50). The results are as follows:

empid [PK] integer	ename character varying (50)
1	Mayur
2	Ashish
3	Sanket
4	Ashish
13	Amruta

A status message at the bottom right indicates: "Successfully run. Total query runtime: 134 msec. 5 rows affected."

**SELECT empid, ename FROM emp ORDER BY empid FETCH FIRST 8
ROW ONLY;**

The screenshot shows the pgAdmin 4 interface. The Query Editor contains the following SQL query:

```
1 SELECT empid, ename FROM emp ORDER BY empid FETCH FIRST 8 ROW ONLY;
```

The Data Output tab displays the results of the query in a table with two columns: empid [PK] integer and ename character varying (50). The results are as follows:

empid [PK] integer	ename character varying (50)
1	Mayur
2	Ashish
3	mayur
4	Sanket
5	Falzan
6	Ashish
7	ashwini
8	Aditya

SELECT empid,ename FROM emp WHERE empid <> 3;

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'emp' table selected under the 'public' schema. The main pane shows the 'Query Editor' with the following SQL query:

```
1 SELECT empid,ename FROM emp WHERE empid <> 3;
```

The 'Data Output' tab is active, displaying the results of the query in a table format:

empid	ename
1	Mayur
2	Ashish
3	Sanket
4	Faizan
5	Ashish
6	ashwini
7	Aditya
8	Shradha
9	Akshay
10	Varsha
11	Vishnu
12	Amruta
13	Vikram

SELECT empid FROM emp WHERE CAST (hiredate AS DATE)='19/10/1998';

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'emp' table selected under the 'public' schema. The main pane shows the 'Query Editor' with the following SQL query:

```
1 SELECT empid FROM emp WHERE CAST ( hiredate AS DATE )='19/10/1998';
```

The 'Data Output' tab is active, displaying the results of the query in a table format:

empid
1
2

SELECT empid,ename from emp WHERE empid

IN(SELECT empid FROM emp WHERE CAST(hiredate AS
DATE)='19/10/1998');

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, including the 'emp' table under the 'public' schema. The main pane shows the 'Query Editor' with the following SQL query:

```
1 SELECT empid,ename from emp WHERE empid
2 IN( SELECT empid FROM emp WHERE CAST(hiredate AS DATE)='19/10/1998' );
```

The 'Data Output' tab is active, showing the results of the query in a table:

empid [PK] integer	ename character varying (50)
1	Ashish

A green status bar at the bottom indicates: 'Successfully run. Total query runtime: 114 msec. 1 rows affected.'

SELECT empid , ename FROM emp WHERE sal BETWEEN 2000 and
3000;

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, including the 'emp' table under the 'public' schema. The main pane shows the 'Query Editor' with the following SQL query:

```
1 SELECT empid , ename FROM emp WHERE sal BETWEEN 2000 and 3000;
```

The 'Data Output' tab is active, showing the results of the query in a table:

empid [PK] integer	ename character varying (50)
1	5 Faizan
2	7 ashwini
3	8 Aditya
4	9 Shradhha
5	12 Vishnu
6	13 Amruta
7	14 Vikram
8	15 Sonali

SELECT empid , ename FROM emp WHERE sal NOT BETWEEN 2000 and 3000;

The screenshot shows the pgAdmin 4 web interface. The left sidebar displays the database structure, with the 'emp' table selected under the 'public' schema. The main pane shows the 'Query Editor' with the following SQL query:

```
1 SELECT empid , ename FROM emp WHERE sal NOT BETWEEN 2000 and 3000;
```

The 'Data Output' tab is active, displaying the results of the query in a table format:

empid	ename
1	Mayur
2	Ashish
3	mayur
4	Sanket
5	Ashish
6	Akshay
7	Varsha

SELECT empid, ename FROM emp WHERE ename LIKE '%d%';

The screenshot shows the pgAdmin 4 web interface. The left sidebar displays the database structure, with the 'emp' table selected under the 'public' schema. The main pane shows the 'Query Editor' with the following SQL query:

```
1 SELECT empid, ename FROM emp WHERE ename LIKE '%d%';
```

The 'Data Output' tab is active, displaying the results of the query in a table format:

empid	ename
1	Aditya
2	Shradha

SELECT empid, ename FROM emp WHERE ename LIKE 'M%';

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pgAdmin 4

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Query Editor Query History Scratch Pad

```
1 SELECT empid, ename FROM emp WHERE ename LIKE 'M%';
```

Data Output Explain Messages Notifications

empid	ename
[PK] integer	character varying (50)
1	Mayur

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