

```
SQL Shell (psql)

student=# insert into student_data values(2,'Sanket','Nimase');
INSERT 0 1
student=# insert into student_data values(3,'Ashish','Gaikwad');
INSERT 0 1
student=# insert into student_data values(4,'Amruta','Nangare');
INSERT 0 1
student=# insert into student_data values(5,'Varsha','Sangale');
INSERT 0 1
student=# insert into student_data values(6,'Shraddha','Jadhav');
INSERT 0 1
student=# select * from student_data;
 id | fname | lname
-----+-----+-----
  1 | MAYUR | KHALKAR
  2 | Sanket | Nimase
  3 | Ashish | Gaikwad
  4 | Amruta | Nangare
  5 | Varsha | Sangale
  6 | Shraddha | Jadhav
(6 rows)

student=#
```

Activate Windows
Go to Settings to activate Windows.

New Tab x pgAdmin 4 x +

127.0.0.1:58102/browser/

pgAdmin File Object Tools Help

Browser

- Catalogs
- Event Triggers
- Extensions
- Foreign Data Wrappers
- Languages
- Schemas (1)
 - public
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Sequences
 - Tables (1)
 - student_data
 - Trigger Functions
 - Types
 - Views
 - student2
 - Login/Group Roles
 - Tablespaces

Dashboard Properties SQL Statistics Dependencies Dependents public.student_data/student/postgres@PostgreSQL 9.6

public.student_data/student/postgres@PostgreSQL 9.6

Query Editor Query History Scratch Pad

```
1 SELECT * FROM public.student_data
2 ORDER BY id ASC
```

Data Output Explain Messages Notifications

id	fname	lname
1	MAYUR	KHALKAR
2	Sanket	Nimase
3	Ashish	Gaikwad
4	Amruta	Nangare
5	Varsha	Sangale
6	Shraddha	Jadhav

Activate Windows
Go to Settings to activate Windows.

Selecting Fname from student_data

The screenshot shows the pgAdmin 4 web interface in a browser. The left sidebar displays the database structure, with 'student_data' table selected under the 'public' schema. The central 'Query Editor' contains the SQL query: `select fname from student_data;`. Below the editor, the 'Data Output' tab shows the results of the query. A green notification bar at the bottom right indicates 'Successfully run. Total query runtime: 187 msec. 6 rows affected.'

fname	text
1	MAYUR
2	Sanket
3	Ashish
4	Amruta
5	Varsha
6	Shraddha

Selecting Lname From Student_data

The screenshot shows the pgAdmin 4 web interface. The left sidebar shows the 'student_data' table selected. The 'Query Editor' contains the SQL query: `select lname from student_data;`. The 'Data Output' tab displays the results. A green notification bar at the bottom right indicates 'Successfully run. Total query runtime: 150 msec. 6 rows affected.'

lname	text
1	KHALKAR
2	Nimase
3	Gaikwad
4	Nangare
5	Sangale
6	Jadhav

Order by clause

select fname from student_data order by fname DESC;

The screenshot shows the pgAdmin 4 interface. The Query Editor contains the SQL query: `select fname from student_data order by fname DESC;`. The Data Output pane displays the results of the query, ordered in descending order of fname.

fname	text
1	Varsha
2	Shradha
3	Sanket
4	MAYUR
5	Ashish
6	Amruta

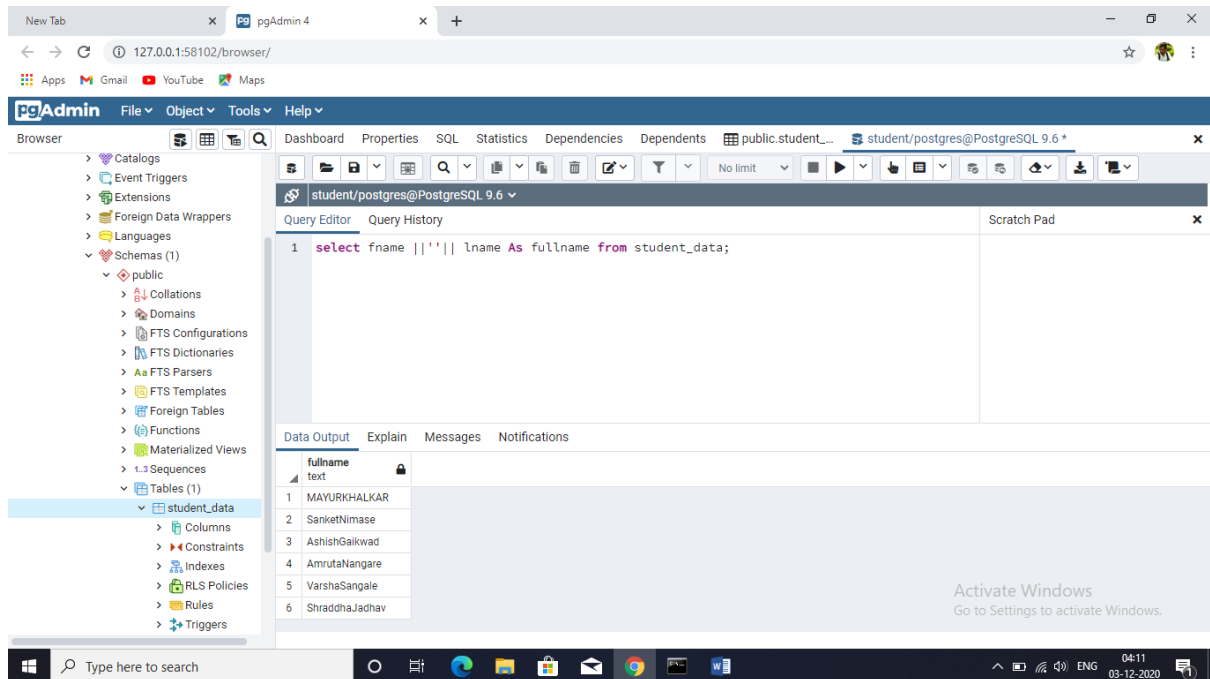
select fname from student_data order by fname ASC;

The screenshot shows the pgAdmin 4 interface. The Query Editor contains the SQL query: `select fname from student_data order by fname ASC;`. The Data Output pane displays the results of the query, ordered in ascending order of fname. A green status bar at the bottom indicates the query was successfully run.

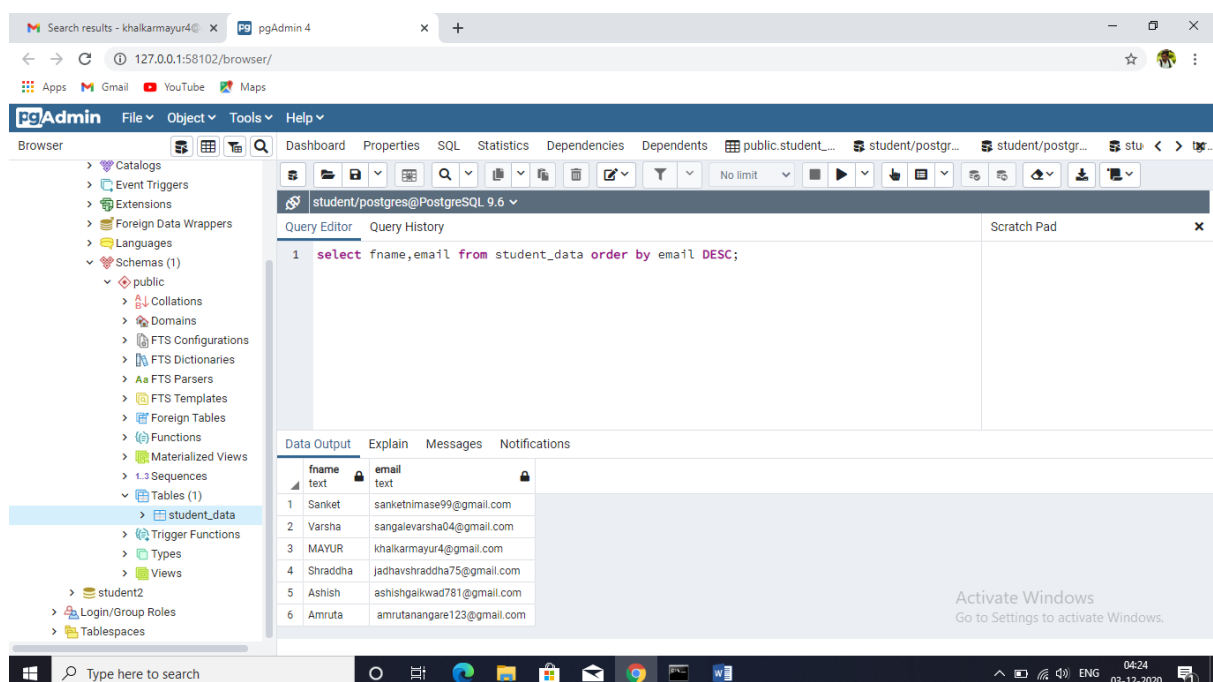
fname	text
1	Amruta
2	Ashish
3	MAYUR
4	Sanket
5	Shradha
6	Varsha

Successfully run. Total query runtime: 116 msec. 6 rows affected.

```
select fname || ' ' || lname As fullname from
student_data;
```



```
select fname,email from student_data order by email
DESC;
```



Inserting values in color table.

```
SQL Shell (psql)
student=# insert into color values('Red','Black');
INSERT 0 1
student=# insert into color values('Red','Blue');
INSERT 0 1
student=# insert into color values('blue','Blue');
INSERT 0 1
student=# insert into color values('blue','red');
INSERT 0 1
student=# insert into color values('red','red');
INSERT 0 1
student=# insert into color values('red','green');
INSERT 0 1
student=# insert into color values('green','green');
INSERT 0 1
student=# insert into color values('green','blue');
INSERT 0 1
student=# insert into color values('yellow','blue');
INSERT 0 1
student=# insert into color values('yellow','white');
INSERT 0 1
student=# select * from color;
 bcolor | fcolor
-----+-----
 Red    | Black
 Red    | Blue
 blue   | Blue
 blue   | red
 red    | red
 red    | green
 green  | green
 green  | blue
 yellow | blue
 yellow | white
(10 rows)

student=#
```

`select DISTINCT ON(bcolor)fcolor from color order by bcolor,fcolor;`

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

```
1 select DISTINCT ON(bcolor)fcolor from color order by bcolor,fcolor;
```

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

	fcolor
1	Blue
2	blue
3	green
4	Black
5	blue

A green status bar at the bottom of the interface indicates: "Successfully run. Total query runtime: 150.msec. 5 rows affected."

Search results - khalkarmayur4@ X pgAdmin 4 x +

127.0.0.1:58102/browser/

pgAdmin File Object Tools Help

Browser

- > Casts
- > Catalogs
- > Event Triggers
- > Extensions
- > Foreign Data Wrappers
- > Languages
- > Schemas (1)
 - > public
 - > Collations
 - > Domains
 - > FTS Configurations
 - > FTS Dictionaries
 - > FTS Parsers
 - > FTS Templates
 - > Foreign Tables
 - > Functions
 - > Materialized Views
 - > Sequences
 - > Tables (2)
 - > color
 - > Columns
 - > Constraints
 - > Indexes
 - > RLS Policies
 - > Rules

Query Editor Query History

```
1 select DISTINCT fcolor from color;
```

Data Output Explain Messages Notifications

	fcolor	text
1	blue	
2	Blue	
3	Black	
4	white	
5	green	
6	red	

Activate Windows
Go to Settings to activate Windows.

Type here to search

04:37
03-12-2020

select 300-210 As Result;

Search results - khalkarmayur4@ X pgAdmin 4 x +

127.0.0.1:58102/browser/

pgAdmin File Object Tools Help

Browser

- > Casts
- > Catalogs
- > Event Triggers
- > Extensions
- > Foreign Data Wrappers
- > Languages
- > Schemas (1)
 - > public
 - > Collations
 - > Domains
 - > FTS Configurations
 - > FTS Dictionaries
 - > FTS Parsers
 - > FTS Templates
 - > Foreign Tables
 - > Functions
 - > Materialized Views
 - > Sequences
 - > Tables (2)
 - > color
 - > Columns
 - > Constraints
 - > Indexes
 - > RLS Policies
 - > Rules

Query Editor Query History

```
1 select 300-210 As Result;
```

Data Output Explain Messages Notifications

	result	integer
1	90	

Activate Windows
Go to Settings to activate Windows.

Type here to search

04:38
03-12-2020