

به نام خدا

پروژه آزمایشگاه پایگاه داده فاز دوم

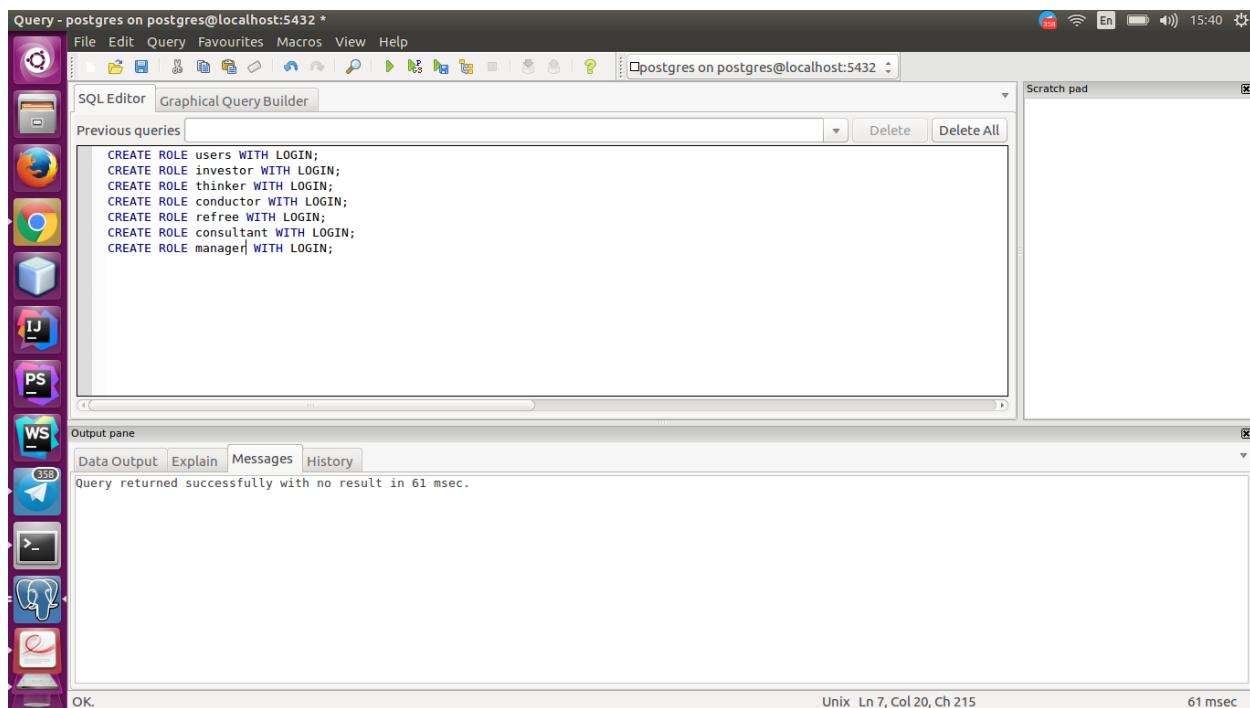
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۹۳۳۱۰۵۶

توجه : وضعیت تمامی جدول ها بعد از اضافه کردن داده های تستی در انتهای گزارش در بخش ضمیمه آمده است.

قسمت اول :

برای ساخت نقش ها از دستورات زیر استفاده میکنیم :



```
Query - postgres on postgres@localhost:5432 *  
File Edit Query Favourites Macros View Help  
SQL Editor Graphical Query Builder  
Previous queries Delete Delete All  
CREATE ROLE users WITH LOGIN;  
CREATE ROLE investor WITH LOGIN;  
CREATE ROLE thinker WITH LOGIN;  
CREATE ROLE conductor WITH LOGIN;  
CREATE ROLE referee WITH LOGIN;  
CREATE ROLE consultant WITH LOGIN;  
CREATE ROLE manager WITH LOGIN;
```

Output pane

Data Output Explain Messages History

Query returned successfully with no result in 61 msec.

OK. Unix Ln 7, Col 20, Ch 215 61 msec

برای سطح دسترسی ها باید از دستورات زیر استفاده کنیم (البته در تصویر ناقص هست و کل دستورات در فایل 1.txt وجود دارد)

Query - postgres on postgres@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries Delete Delete All

```
ALTER TABLE investment ENABLE ROW LEVEL SECURITY;
CREATE POLICY user_policy ON investment to investor
    USING (true)
    WITH CHECK (username = current_user);

ALTER TABLE product_ownership ENABLE ROW LEVEL SECURITY;
ALTER TABLE product ENABLE ROW LEVEL SECURITY;
ALTER TABLE idea ENABLE ROW LEVEL SECURITY;
ALTER TABLE media ENABLE ROW LEVEL SECURITY;
CREATE POLICY user_policy ON product_ownership to thinker
    USING (username = current_user);
CREATE POLICY user_policy ON product to thinker
    USING (username = current_user);
CREATE POLICY user_policy ON idea to thinker
    USING (username = current_user);
CREATE POLICY user_policy ON media to thinker
    USING (username = current_user);

ALTER TABLE public.event ENABLE ROW LEVEL SECURITY;
ALTER TABLE small_event ENABLE ROW LEVEL SECURITY;
ALTER TABLE massive_event ENABLE ROW LEVEL SECURITY;
ALTER TABLE financial_log ENABLE ROW LEVEL SECURITY;
ALTER TABLE survey ENABLE ROW LEVEL SECURITY;
ALTER TABLE promotion_event ENABLE ROW LEVEL SECURITY;
ALTER TABLE promotion_package ENABLE ROW LEVEL SECURITY;
ALTER TABLE secretariat_telephone_massive_event ENABLE ROW LEVEL SECURITY;
```

Output pane

Data Output Explain Messages History

Query returned successfully with no result in 22 msec.

OK. Unix Ln 66, Col 85, Ch 3074 22 msec

قسمت دوم:

در این قسمت هر کاربر را تعیین کرده و دستورات مربوط کنترل نقش آن به صورت زیر است. (برای اینکه بدانید دستوارت داده شده با چه یوزری بوده باید به بالای عکس دقت کنید و یوزر آن را پیدا کنید)

The screenshot displays two instances of the pgAdmin III interface, a popular PostgreSQL management tool.

Top Window (postgres Connection):

- SQL Editor:** Shows several SQL commands for creating users and granting privileges:

```
create user ali ;
grant users to ali;
create user mammad;
grant investor to mammad;
create user reza;
grant thinker to reza;
create user hassan;
grant conductor to hassan;
create user mahdi;
grant referee to mahdi;
create user alireza;
grant consultant to alireza;
create user iman ;
grant manager to iman;
```
- Output pane:** Displays the result of the query execution: "Query returned successfully with no result in 21 msec."

Bottom Window (ali Connection):

- SQL Editor:** Shows a single SQL insert command:

```
insert into public.user values( 1 , 'علی' , 'کریمی' , '85491374' , 98, true , 'mmama@msm.com' , 09124412 , 09127541 , 'ali'
```
- Output pane:** Displays the result of the insert operation: "Query returned successfully: one row affected, 71 msec execution time."

Query - postgres on ali@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

```
select * from public.user;
```

Scratch pad

Output pane

Data Output Explain Messages History

ERROR: permission denied for relation user

***** Error *****

ERROR: permission denied for relation user
SQL state: 42501

ERROR: permission denied for relation user SQL state: 42501

Unix Ln 1, Col 27, Ch 27 12 msec

Query - postgres on reza@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

```
insert into product values( 8 , 'kaghaz' , 'کتابهای مرجع' , 'جیل عالیه' , 'دف' , 'کارعلمی' , 'reza');
insert into idea values ( 10 , 8 , 'reza');
insert into product_ownership values(10,8,100,'reza');
```

Scratch pad

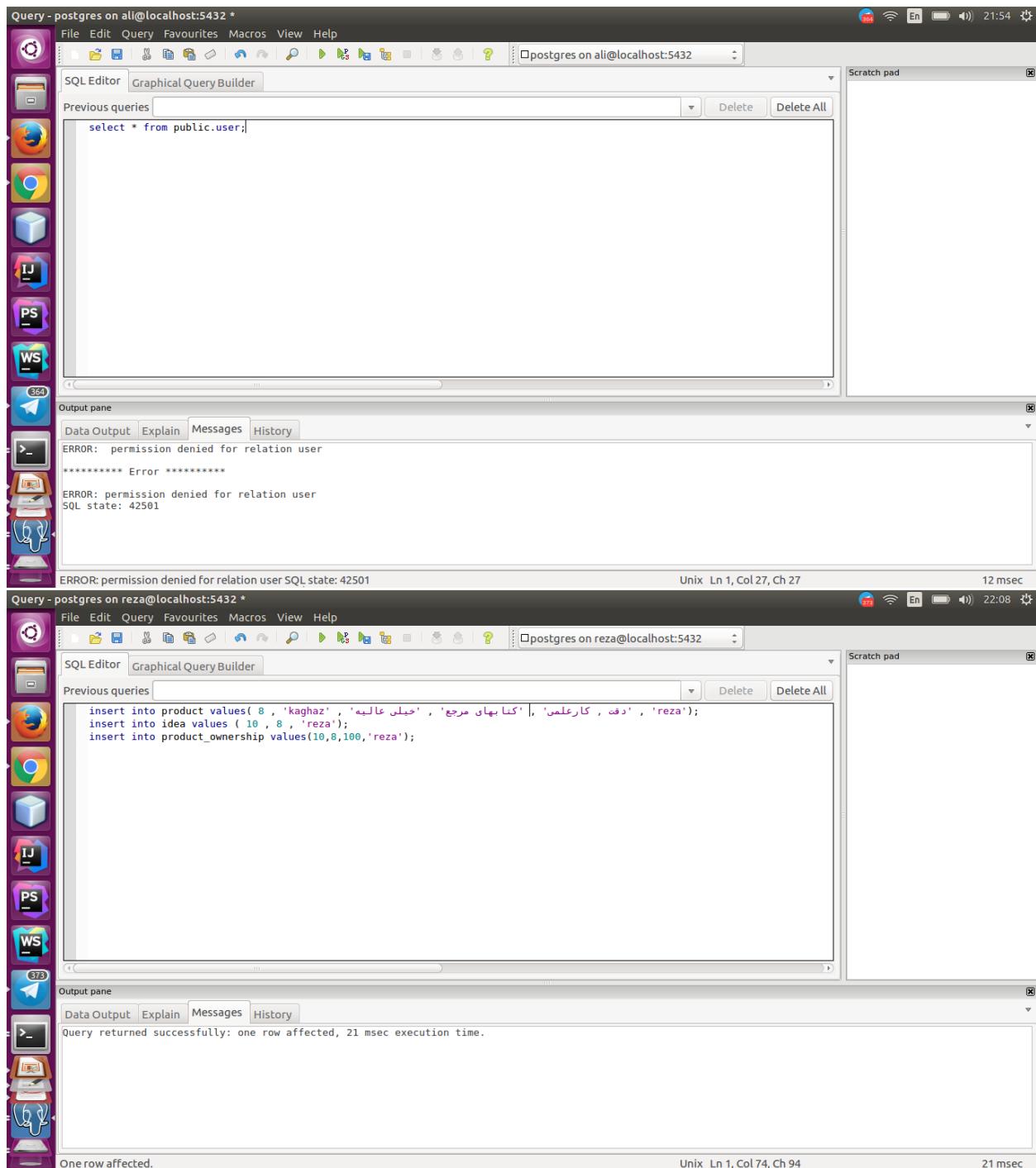
Output pane

Data Output Explain Messages History

Query returned successfully: one row affected, 21 msec execution time.

One row affected.

Unix Ln 1, Col 74, Ch 94 21 msec



Query - postgres on postgres@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

```
select * from product;
```

Scratch pad

Output pane

Data Output Explain Messages History

ID	subject	description	references	key_words	username
integer	character varying(30)	text	character varying(50)	character varying(50)	character varying(50)
1	6 aXhbhmlldHJv	dGhlIGJlc30gYXBwIGluIHRyYW5zcG9ydGF0aW9uIGluZHVsJ5	d3d3LmlyYW5tZXByby5pcg==	aXJhbiasIG1ldHJv	
2	7 aXhbhmlldHJv	dGhlIGJlc30gYXBw	d3d3LmlyYW5tZXByby5pcg==	aXJhbiasIG1ldHJv	
3	8 kaghaz	کاغذ عالیه	کتابهای مرجع	دف، کارعلمی	reza

Query - postgres on reza@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

```
select * from investment;
```

Scratch pad

Output pane

Data Output Explain Messages History

ERROR: permission denied for relation investment

***** Error *****

ERROR: permission denied for relation investment
SQL state: 42501

ERROR: permission denied for relation investment SQL state: 42501

Unix Ln 1, Col 26, Ch 26 12 msec

Query - postgres on mammad@localhost:5432 *

File Edit Query Favourites Macros View Help

Postgres on mammad@localhost:5432

SQL Editor Graphical Query Builder

Previous queries

```
insert into investment values(10,8,'30','قرض الحسنة', 120000000, current_date , 'mammad');
```

Scratch pad

Output pane

Data Output Explain Messages History

Query returned successfully: one row affected, 22 msec execution time.

One row affected.

Unix Ln 1, Col 91, Ch 100 22 msec

Query - postgres on postgres@localhost:5432 *

File Edit Query Favourites Macros View Help

Postgres on postgres@localhost:5432

SQL Editor Graphical Query Builder

Previous queries

```
select * from investment;
```

Scratch pad

Output pane

Data Output Explain Messages History

ID	product_id	withdraw	type	amount	date	username
1	10	8 30	قرض الحسنة	120000000	2017-06-28	mammad
2	11	8 50	خريره	10000000		reza

OK.

Unix Ln 1, Col 27, Ch 27 2 rows. 12 msec

The image shows two separate pgAdmin III windows side-by-side. Both windows have a dark-themed interface with a vertical toolbar on the left containing icons for various database management tasks. The top window is connected to the 'mammad' database and displays a single query: 'insert into investment values(10,8,'30','قرض الحسنة', 120000000, current_date , 'mammad);'. The bottom window is connected to the 'postgres' database and displays a query: 'select * from investment;'. The results of this query are shown in a table with columns: ID, product_id, withdraw, type, amount, date, and username. The table contains two rows of data. Both windows show a status bar at the bottom indicating Unix, the line number (Ln 1), character position (Col 91/27), and character count (Ch 100/27) along with the execution time (22 msec/12 msec).

Query - postgres on mammad@localhost:5432 *

File Edit Query Favourites Macros View Help

Postgres on mammad@localhost:5432

SQL Editor Graphical Query Builder

Previous queries

```
select * from investment;
```

Scratch pad

Output pane

Data Output Explain Messages History

	Id	product_id	withdraw	type	amount	date	username
	integer	integer	character varying(30)	character varying(30)	bigint	date	character varying(50)
1	10	8:30	فروض الحسنه	فروض الحسنه	120000000	2017-06-28	mammad
2	11	8:50	خمره	خمره	10000000		reza

OK.

Unix Ln 1, Col 26, Ch 26 2 rows. 13 msec

Query - postgres on mammad@localhost:5432 *

File Edit Query Favourites Macros View Help

Postgres on mammad@localhost:5432

SQL Editor Graphical Query Builder

Previous queries

```
update investment set type='فروض الحسنه' where username='reza';
```

Scratch pad

Output pane

Data Output Explain Messages History

ERROR: new row violates row-level security policy for table "investment"

***** Error *****

ERROR: new row violates row-level security policy for table "investment"

SQL state: 42501

ERROR: new row violates row-level security policy for table "investment" SQL state: 42501

Unix Ln 1, Col 63, Ch 72 12 msec

Query - postgres on mammad@localhost:5432 *

File Edit Query Favourites Macros View Help

Postgres on mammad@localhost:5432

SQL Editor Graphical Query Builder

Previous queries

```
update investment set type='خرید' where username='mammad';
select * from investment;
```

Scratch pad

Output pane

Data Output Explain Messages History

ID	product_id	withdraw	Type	amount	Date	username
1	11	8:50	خرید	10000000	reza	
2	10	8:30	خرید	120000000	2017-06-28	mammad

OK.

Unix Ln 2, Col 26, Ch 91 2 rows. 31 msec

Query - postgres on hassan@localhost:5432 *

File Edit Query Favourites Macros View Help

Postgres on hassan@localhost:5432

SQL Editor Graphical Query Builder

Previous queries

```
insert into financial_log values(1, 'جیلر و معنیت خوب هست', 'ok', 'hassan');
insert into event values(1, 'میرس آتار شاخ', 'خرید', true, current_date, '1395.04.08', 'farsi', 1, 6, 'hassan');
insert into survay values(1, 'فرم شماره', 'sd', 'hassan');
insert into small_event values(1, 1, current_date, current_date, current_date, 1, 8, 'hassan');
```

Scratch pad

Output pane

Data Output Explain Messages History

Query returned successfully: one row affected, 22 msec execution time.

One row affected.

Unix Ln 3, Col 62, Ch 300 22 msec

Query - postgres on hassan@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

```
update event set subject='مرس آنلاین مخصوص' where username='hassan';
```

Output pane

Data Output Explain Messages History

Query returned successfully: one row affected, 22 msec execution time.

One row affected.

Unix Ln 1, Col 68, Ch 82 22 msec

Query - postgres on alireza@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

```
update massive_event_intercommunity set point_of_product='10';
select point_of_product from massive_event_intercommunity;
```

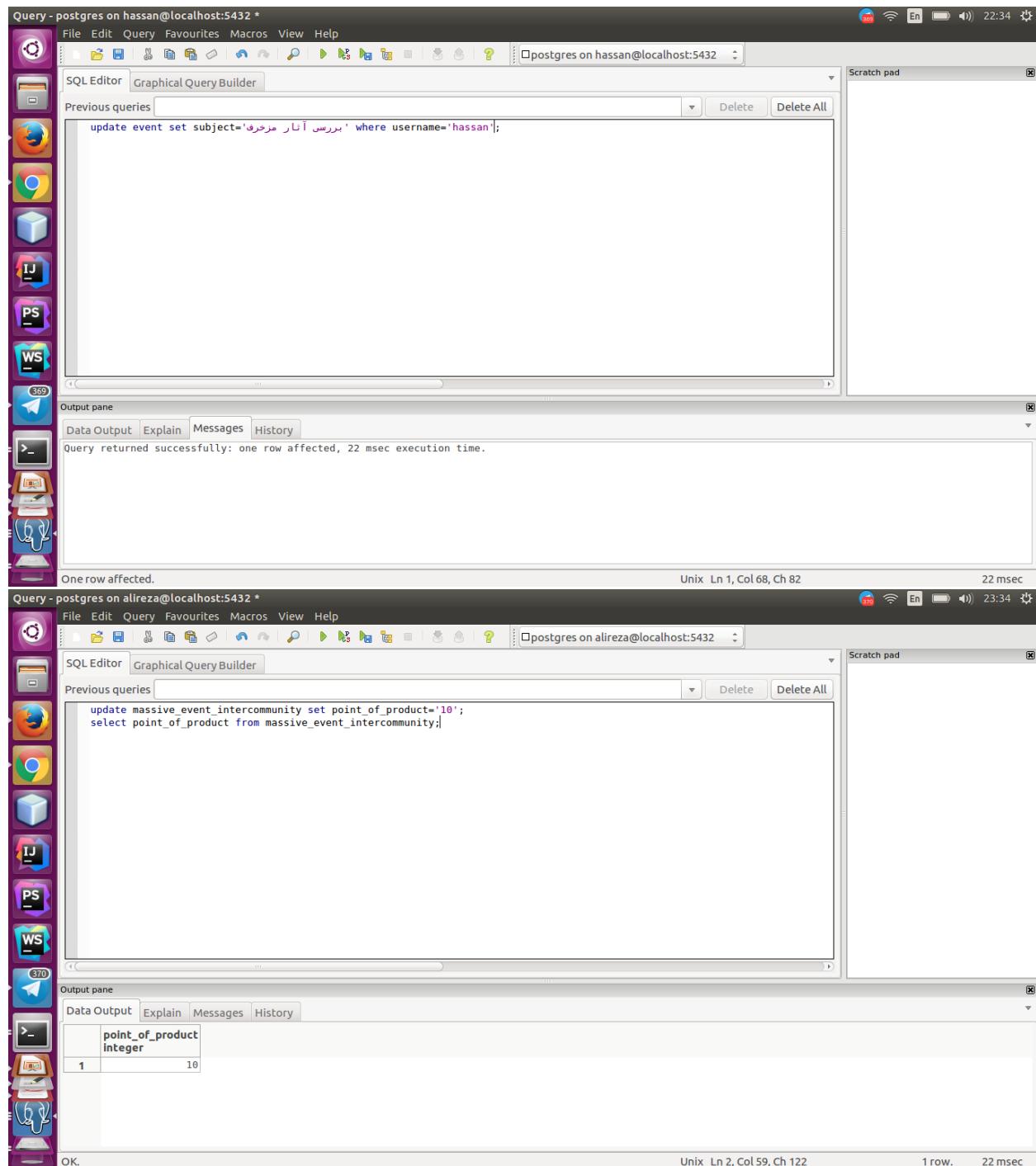
Output pane

Data Output Explain Messages History

point_of_product	integer
1	10

OK.

Unix Ln 2, Col 59, Ch 122 1 row. 22 msec



Query - postgres on alireza@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

```
select * from massive_event_intercommunity;
```

Scratch pad

Output pane

Data Output Explain Messages History

ERROR: permission denied for relation massive_event_intercommunity
***** Error *****
ERROR: permission denied for relation massive_event_intercommunity
SQL state: 42501

ERROR: permission denied for relation massive_event_intercommunity SQL state: 42501

Unix Ln 2, Col 9, Ch 10 12 msec

Query - postgres on iman@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

```
select * from public.user;
```

Scratch pad

Output pane

Data Output Explain Messages History

Id	name	family	password	national_code	gender	email	first_phone_number	second_phone_number	latin_chara
1	3 mamdddf	karimi	ODU0OTEzNzQ=		98 t	mmama@mms.com	9124412	9127541	ali
2	1 علی	کریمی	ODU0OTEzNzQ=		545	sdsdsd	9124456	9137845	reza
3	4 asd	zxcsd	231313	545	211				
4	5 asd	adasd	asdasd	211					
5	6 wer	dasd	sdfsdf	332					

OK.

Unix Ln 1, Col 27, Ch 27 5 rows. 12 msec

Query - postgres on iman@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

Delete Delete All

```
select * from public.event;
```

Scratch pad

Output pane

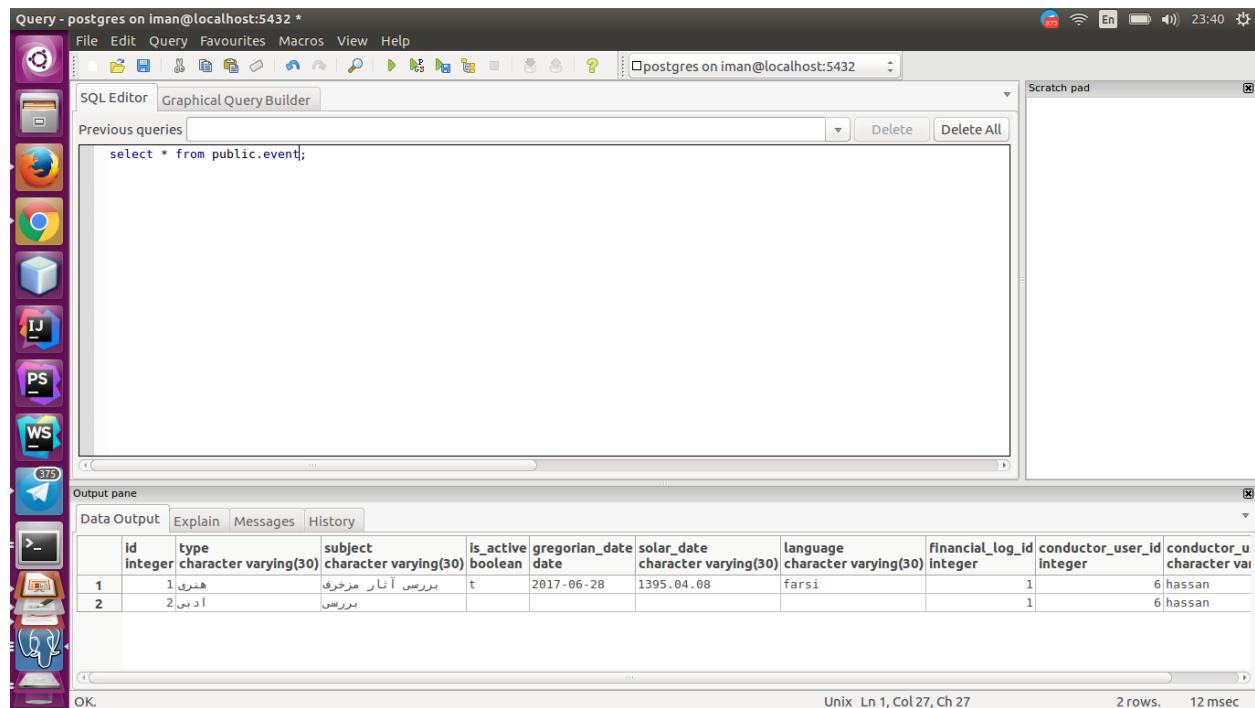
Data Output Explain Messages History

	id integer	type character varying(30)	subject character varying(30)	is_active boolean	gregorian_date date	solar_date character varying(30)	language character varying(30)	financial_log_id integer	conductor_user_id integer	conductor_u character vari
1	1	هندی	بررس آثار هنری	t	2017-06-28	1395.04.08	farsi	1	6	hassan
2	2	انگلی	بررسی					1	6	hassan

OK.

Unix Ln 1, Col 27, Ch 27

2 rows. 12 msec

A screenshot of a PostgreSQL client interface titled "Query - postgres on iman@localhost:5432". The interface has a menu bar with File, Edit, Query, Favourites, Macros, View, and Help. Below the menu is a toolbar with various icons. The main area has tabs for "SQL Editor" and "Graphical Query Builder", with "SQL Editor" selected. A "Previous queries" dropdown shows the last query: "select * from public.event;". Below it are "Delete" and "Delete All" buttons. To the right is a "Scratch pad" window. The "Output pane" contains a "Data Output" tab showing the results of the query. The results are presented in a table with 11 columns: id (integer), type (character varying(30)), subject (character varying(30)), is_active (boolean), gregorian_date (date), solar_date (character varying(30)), language (character varying(30)), financial_log_id (integer), conductor_user_id (integer), conductor_u (character varying), and a final column for the table name. There are two rows of data. Row 1 has id 1, type 'هندی', subject 'بررس آثار هنری', is_active t, gregorian_date 2017-06-28, solar_date 1395.04.08, language farsi, financial_log_id 1, conductor_user_id 6, conductor_u hassan. Row 2 has id 2, type 'انگلی', subject 'بررسی', is_active null, gregorian_date null, solar_date null, language null, financial_log_id 1, conductor_user_id 6, conductor_u hassan. The bottom status bar shows "Unix Ln 1, Col 27, Ch 27", "2 rows.", and "12 msec". On the left side of the interface, there is a vertical docked panel containing icons for various applications like a terminal, file manager, and browser.

قسمت سوم:

برای پاسخ به کویری ها به صورت زیر عمل میکنیم :

سوال اول :

The screenshot shows the pgAdmin III interface. In the SQL Editor pane, there is a query:create or replace function show_ql(subject varchar(50)) returns table(username varchar(50)) as \$\$select distinct(idea.username) from idea,occupation where favorite_subjects = subject and idea.username = occupation.username; \$\$_language SQL;
select show_ql('هندسه') as t1;In the Output pane, under Data Output, the results of the query are displayed in a table:| t1 | character varying |
| --- | --- |
| 1 | reza |

Unix Ln 3, Col 22, Ch 123 1 row. 22 msec

سوال دوم :

Query - postgres on postgres@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries Delete Delete All

```
create or replace function show_q2(media_id integer) returns table( amount bigint ) as $$  
select amount from investment,media where media.id = media_id and media.product_id = investment.product_id;  
$$language SQL;  
  
select show_q2(1);
```

Output pane Data Output Explain Messages History

	show_q2	bigint
1		1400000
2		20000000

OK. Unix Ln 6, Col 18, Ch 234 2 rows. 22 msec

سوال سوم :

Query - postgres on postgres@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries Delete Delete All

```
create or replace function show_q3() returns table( amount numeric , type varchar(30)) as $$  
select sum(amount),type from investment group by type;  
$$language SQL;  
  
select show_q3();
```

Output pane Data Output Explain Messages History

	show_q3	record
1	(جاري, 21400000)	
2	(غيره, 130000000)	
3	(غير, 35000000)	

OK. Unix Ln 1, Col 1, Ch 1 3 rows. 21 msec

سوال چهارم :

Query - postgres on postgres@localhost:5432 *

File Edit Query Favourites Macros View Help

postgres on postgres@localhost:5432

SQL Editor Graphical Query Builder

Previous queries

```
create or replace function show_q4(event_id integer) returns table( username varchar(50) , degree varchar(30) , location varchar(50)) as $$  
select distinct on (location)  
    username,degree,(location) from register_event inner join public.user on( public.user.id = register_event.user_id ) order by location;  
$$language SQL;  
select show_q4(1);
```

Scratch pad

Output pane

Data Output Explain Messages History

show_q4
record

1	(hassan,Phd,"شرق تهران")
2	(reza,license,"شمال تهران")
3	(ali,diplom,"غرب تهران")

OK.

Unix Ln 4, Col 134, Ch 298

3 rows. 62 msec

The screenshot shows a PostgreSQL client window titled 'Query - postgres on postgres@localhost:5432 *'. The main area is the 'SQL Editor' tab, which contains a block of SQL code defining a function named 'show_q4' that takes an integer parameter 'event_id' and returns a table with columns 'username', 'degree', and 'location'. The function uses a 'select distinct on (location)' query to retrieve data from the 'register_event' and 'public.user' tables. Below the editor is an 'Output pane' showing the results of running the function with 'event_id' set to 1. The results are displayed in a table with three rows, each containing a record from the 'show_q4' function. The output pane also includes tabs for 'Data Output', 'Explain', 'Messages', and 'History'. At the bottom right, it shows '3 rows.' and '62 msec'.

سوال پنجم :

Query - postgres on postgres@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

```
DROP FUNCTION show_q5();
create or replace function show_q5() returns table( product_subject varchar(30) , basis_of_event varchar(50) , event_subje
select distinct(product.subject)
subject,basis_of_event , massive_event.subtitle from
massive_event_intercommunity , massive_event , product where
massive_event_intercommunity.product_id = product.id and massive_event_intercommunity.event_id = massive_event.id
order by basis_of_event,masse
$language SQL;

select * from show_q5();
```

Output pane

Data Output Explain Messages History

product_subject	basis_of_event	event_subject
character varying	character varying	character varying
لودر برقی	داده	بررسی داده های برت
محتمع نفربخش	داده	بررسی داده های برت
نرم افزار کوروشن	داده	بررسی داده های برت
تصفیه کننده آب	داده	داده کاوی
طرح سد بزرگ	داده	داده کاوی
محتمع نفربخش	داده	داده کاوی
نرم افزار کوروشن	داده	داده کاوی
شعر	تصفیه کننده آب	شب شعر
شعر	شب شعر	شب شعر
شعر نرم افزار کوروشن	شب شعر	شب شعر

OK. Unix Ln 7, Col 55, Ch 483 10 rows. 21 msec

سوال ششم :

Query - postgres on postgres@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

```
create or replace function show_q6() returns table( product_title varchar(30) , event_title varchar(30) ) as $$
select subject ,massive_event.subtitle from (massive_event_intercommunity inner join product on ( product.id = massive_event_intercommunity.pr
order by tl.event_id;
$$language SQL;

select * from |show_q6();
```

Output pane

Data Output Explain Messages History

product_title	event_title
character varying	character varying
axJhbmlldHJv	داده کاوی
تصفیه کننده آب	داده کاوی
لودر برقی	بررسی داده های برت
kaghaz	بررسی داده های برت
axJhbmlldHJv	شب شعر
تصفیه کننده آب	شب شعر

OK. Unix Ln 7, Col 15, Ch 439 6 rows. 21 msec

سوال هفتم :

The screenshot shows the pgAdmin III interface. In the SQL Editor pane, a function named `show_q7()` is defined. It creates a temporary table `t1` by joining `register_event` and `public.user` tables. Then it joins `t1` with `public.event`. Finally, it selects all columns from `show_q7()`. The Output pane displays the results of the query, which consists of 11 rows of product and event titles.

```
create or replace function show_q7() returns table( product_title varchar(30) , event_title varchar(30) ) as $$select username,subject from (register_event inner join public.user on ( register_event.user_id = public.user.id )) as t1 inner join public.event on (t1.event_id = event.id)$$language SQL;  
select * from show_q7();
```

	product_title	event_title
	character varying	character varying
1	ali	بررس آثار ساجور
2	alireza	بررس آثار ساجور
3	reza	بررس آثار ساجور
4	mammad	بررس آثار ساجور
5	hassan	بررس آثار ساجور
6	alireza	داده کاوی
7	ali	داده کاوی
8	mammad	داده کاوی
9	alireza	شب شعر
10	reza	شب شعر
11	hassan	شب شعر

OK. Unix Ln 3, Col 201, Ch 314 11 rows. 22 msec

سوال هشتم :

The screenshot shows the pgAdmin III interface. In the SQL Editor pane, a function named `show_q8()` is defined. It selects the sum of amount and type from `small_event`, joins it with `public.event`, and then joins with `financial_lo`. The Output pane displays the results of the query, which consists of 4 rows of amount and type.

```
create or replace function show_q8() returns table( amout numeric , type varchar(30)) as $$select sum(amount),type from (small_event inner join public.event on ( small_event.event_id = public.event.id )) as t1 inner join financial_lo on (t1.event_id = financial_lo.event_id)$$language SQL;  
select * from show_q8();
```

	amout	type
	numeric	character varying
1	4005000	کارگاه
2	500000	یمپلیکت خرید
3	15000000	سخنوار این
4	100000	هدیه

OK. Unix Ln 1, Col 1, Ch 1 4 rows. 21 msec

سوال نهم :

Query - postgres on postgres@localhost:5432 *

File Edit Query Favourites Macros View Help

postgres on postgres@localhost:5432

SQL Editor Graphical Query Builder

Previous queries

```
DROP FUNCTION show_q9();
create or replace function show_q9() returns table( event_subject varchar(30) , type varchar(30)) as $$
select * from (select distinct on (subject)
subject , type from register_event inner join public.event on ( register_event.event_id = public.event.id ) where
gregorian_date - current_date < 10 order by subject,type) as t1 order by type;
$$language SQL;

select * from show_q9();
```

Scratch pad

Output pane

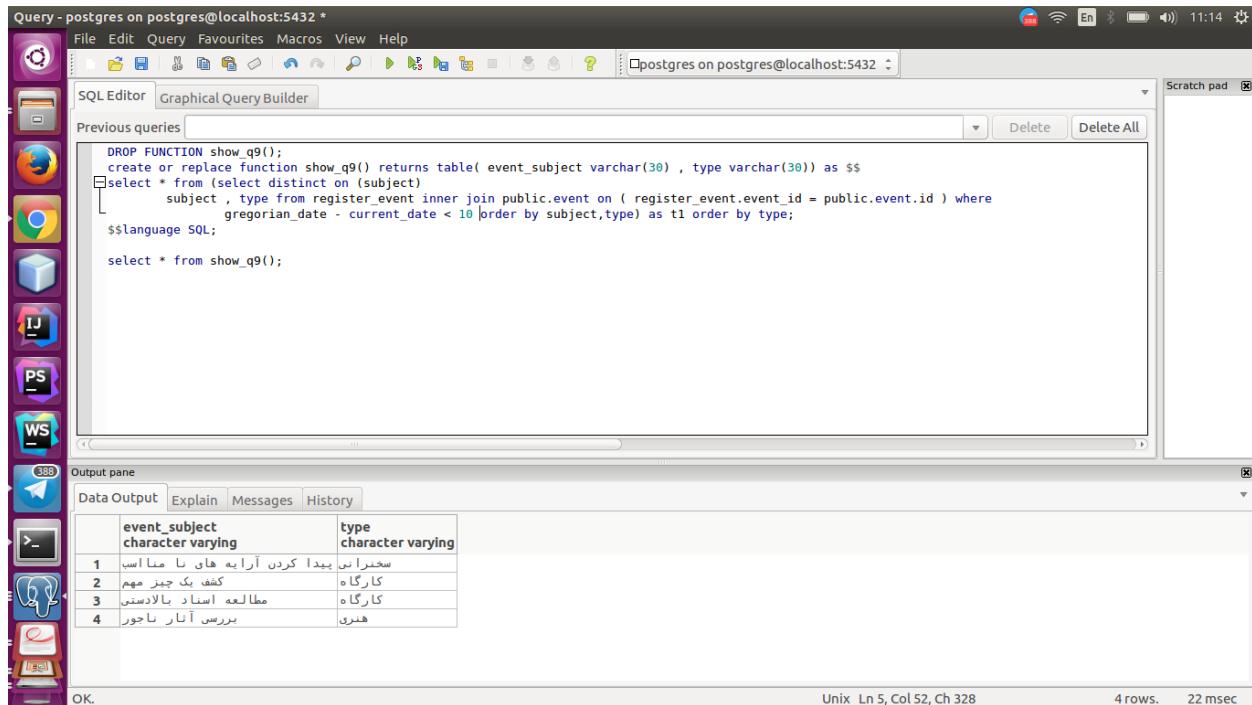
Data Output Explain Messages History

	event_subject character varying	type character varying
1	سینه‌ای بیدا کردن آرایه‌های تابنا اسپ	کارگاه
2	کشف یک چیز مهم	کارگاه
3	مطالعه اسناد بالادستی	کارگاه
4	بررسی آثار تاریخی	هنری

OK.

Unix Ln 5, Col 52, Ch 328

4 rows. 22 msec

A screenshot of the pgAdmin 4 interface. The top bar shows the connection details 'Query - postgres on postgres@localhost:5432 *'. Below the bar are standard menu options: File, Edit, Query, Favourites, Macros, View, Help. A toolbar follows with various icons for file operations like Open, Save, Print, and Database navigation. The main window has tabs for 'SQL Editor' and 'Graphical Query Builder', with 'SQL Editor' currently selected. Under 'Previous queries', there is a code block for creating a function named 'show_q9()' that selects distinct subjects and types from a joined 'register_event' and 'public.event' tables, ordered by subject and type. Below this is a single command to execute the function. To the right of the editor is a 'Scratch pad' panel. At the bottom is an 'Output pane' containing a table with four rows of data. The table has two columns: 'event_subject' and 'type'. The data rows are numbered 1 through 4. The first row contains Persian text: 'سینه‌ای بیدا کردن آرایه‌های تابنا اسپ' and 'کارگاه'. The second row contains 'کشف یک چیز مهم' and 'کارگاه'. The third row contains 'مطالعه اسناد بالادستی' and 'کارگاه'. The fourth row contains 'بررسی آثار تاریخی' and 'هنری'. The bottom status bar indicates the command was run on Unix at line 5, column 52, character 328, resulting in 4 rows processed in 22 msec.

قسمت چهارم:

کد این قسمت همراه گزارش به عنوان PartV ارسال شده است.

ضمیمه

Edit Data - localhost (localhost:5432) - postgres - public.event

	id [PK] serial	type character varying(30)	subject character varying(30)	is_active boolean	gregorian_date date	solar_date character varying	language character varying(30)	financial_log_id integer	cond integer	conductor_username character varying(50)
1	1	هنری	بررس آثار ناجور	TRUE	2017-06-29	1395.04.08	farsi	1	6	hassan
2	2	ادسی	شب شعر		2017-08-29			1	6	hassan
3	3	علمی	داده کاوی	TRUE	2017-10-29				6	hassan
4	4	کارگاه	کشف پیک چیر مهم	TRUE	2017-06-29			2	6	hassan
5	5	کارگاه	مطالعه اسناد بالادستی		2017-06-29			3	6	hassan
6	6	پیش خرد	سفرای علمی		2017-07-29			4	6	hassan
7	7	سخنرانی	پیدا کردن آرایه های نامناسب		2017-06-29			5	6	hassan
8	8	سخنرانی	قصه گویی		2017-11-29			6	6	hassan
*										

Edit Data - localhost (localhost:5432) - postgres - public.financial_log

	id [PK] serial	payment_information character varying(50)	transaction_information character varying(50)	conductor_username character varying(50)	amount bigint
1	1	خطاب و پذیری خوب هست	ok	hassan	100000
2	2	بد نیست	ok	hassan	1005000
3	3	فوق العاده بود	ok	hassan	3000000
4	4			hassan	500000
5	5			hassan	7000000
6	6			hassan	8000000
*					

Edit Data - localhost (localhost:5432) - postgres - public.idea

File Edit View Tools Help

No limit

	[PK] serial	product_id	username
1	2	6	hassan
2	3	7	ali
3	10	8	reza
*			

Scratch pad

3 rows.

Edit Data - localhost (localhost:5432) - postgres - public.investment

File Edit View Tools Help

No limit

	[PK] serial	product_id	withdraw	type	amount	date	username
1	10	8	30	خرید	120000000	2017-06-28	mammad
2	11	8	50	خرید	10000000		reza
3	12	9	64	تباری	1400000		mammad
4	13	9	45	تباری	20000000		mammad
5	14	10	85	اداری	35000000		reza
*							

Scratch pad

5 rows.

Edit Data - localhost (localhost:5432) - postgres - public.job

File Edit View Tools Help

No limit

	[PK] serial	name character varying(30)
1	1	مشاور
2	2	داور
3	3	مربي
*		

Scratch pad

3 rows.

Edit Data - localhost (localhost:5432) - postgres - public.massive_event

File Edit View Tools Help

No limit

	[PK] serial	event_id integer	subtitle character varying(30)	basis_of_event character varying	r	m	J	J	c	c	l	s	t	b	conductor_username character varying(50)
1	1	2	داده کاری	داده											hassan
2	2	1	بررسی داده های پرست	داده											hassan
3	3	3	شب شعر	شعر											hassan
*															

Scratch pad

3 rows.

Edit Data - localhost (localhost:5432) - postgres - public.massive_event_intercommunity

File Edit View Tools Help

No limit

	[PK] serial	product_id integer	event_id integer	status_of_product character varying(30)	point_of_product integer	type_of_calling character varying(30)	conductor_username character varying(50)
1	1	8	1		10	consultant	hassan
2	2	6	1			consultant	hassan
3	3	7	1			refree	hassan
4	4	9	1			refree	hassan
5	5	10	2			refree	hassan
6	6	6	2			consultant	hassan
7	7	8	2			refree	hassan
8	8	7	3			consultant	hassan
9	9	6	3			refree	hassan
10	10	9	3			refree	hassan
*							

Scratch pad

10 rows.

Edit Data - localhost (localhost:5432) - postgres - public.media

File Edit View Tools Help

No limit

	[PK] serial	product_id integer	registry_number integer	registry_date date	registration_body character varying(30)	certifications character varying(50)	username character varying(50)
1	1	9	1235				reza
2	2	10	5648				reza
*							

Scratch pad

2 rows.

Edit Data - localhost (localhost:5432) - postgres - public.occupation

	type_of_relation character varying(30)	favorite_subjects character varying(50)	skills character varying(50)	frequent_subjects character varying(50)	workplace character varying(30)	e_t_id character [PK] serial	user_id integer	job_id integer	username character varying(50)
1	we	ادم	sd			1	1	1	ali
2	wesd	هرمز				2	4	2	reza
*									

Scratch pad

2 rows.

Edit Data - localhost (localhost:5432) - postgres - public.product

	id [PK] serial	subject character varying(30)	description text	references character varying(50)	key_words character varying(50)	username character varying(50)
1	6	نرم افزار کوچوش	dGh1IGJLc30gYXBwIGluIHRyYW5zcG9ydGF0aw9uIGluZHvzdHJ5	d3d3LmlyYW5tzXRby5pcg==	aXJhb1AsIG1ldHJv	reza
2	7	طرح سد برد!	dGh1IGJLc30gYXBw	d3d3LmlyYW5tzXRby5pcg==	aXJhb1AsIG1ldHJv	reza
3	8	محاجع تدریسی	حیلی عالیه	کتابهای مرجع	دفت ، کارعلمی	reza
4	9	تصفیه کننده آب	مینفورد مبیره			reza
5	10	لور برقی	میکننده مبیره			reza
*						

Scratch pad

5 rows.

Edit Data - localhost (localhost:5432) - postgres - public.product_ownership

File Edit View Tools Help

No limit

	[PK] serial	product_id integer	percentage integer	username character varying(50)
1	10	8	100	reza
*				

Scratch pad

1 row.

Edit Data - localhost (localhost:5432) - postgres - public.register_event

File Edit View Tools Help

No limit

	[PK] serial	event_id integer	user_id integer
1	1	1	1
2	2	1	3
3	3	1	4
4	4	1	5
5	5	1	6
6	6	2	3
7	7	2	4
8	8	2	6
9	9	3	1
10	10	3	5
11	11	3	3
12	12	7	1
13	13	7	3
14	14	8	6
15	15	8	4
16	16	8	5
17	17	4	1
18	18	4	3
19	19	4	5
20	20	5	6
21	21	5	1
22	22	5	3
*			

Scratch pad

22 rows.

Edit Data - localhost (localhost:5432) - postgres - public.small_event

	id [PK] serial	event_id integer	title character varying(30)	date_of_triggering date	date_of_notify date	date_of_finish date	survay_id integer	product_id integer	conductor_username character varying(50)
1	1	1	بے برا مہ بار جال	2017-06-28	2017-06-28	2017-06-28	1	8	hassan
2	2	4					1	8	hassan
3	3	5					1	6	hassan
4	4	6					1	7	hassan
5	5	7					1	9	hassan
6	6	8					1	10	hassan
*									

Scratch pad

6 rows.

Edit Data - localhost (localhost:5432) - postgres - public.survay

	id [PK] serial	form_name character varying(30)	options character varying(50)	conductor_username character varying(50)
1	1	فرم شماره ۱	sd	hassan
*				

Scratch pad

1 row.

Edit Data - localhost (localhost:5432) - postgres - public.user

No limit

	[P] id	name	family	phon	email	first_ph	second_ph	lag	degree	field	institute	telephone	address	postal_c	location	username	characte
1	1	علی	کریمی	01911111111	mammar@n	9124412	9127541	a:k:A	diplom	riazi	allameh jafari	21444444	حیا بان آزادی پلای ده	1452562	غرب تهران	ali	
2	3	mamddf	karimi	01					diplom						غرب تهران	alireza	
3	4	asd	zxcsd	2:5:	sdsdsd	9124456	9137845	r:m:B	license	computer	amirkabir	21556655	حیا بان استاد حسن بنا	145265	شمال تهران	reza	
4	5	asd	adasd	a:2:					licence						شمال تهران	mammad	
5	6	wer	dasd	s(3:					Phd						شرقه تهران	hassan	
*																	

Scratch pad

5 rows.