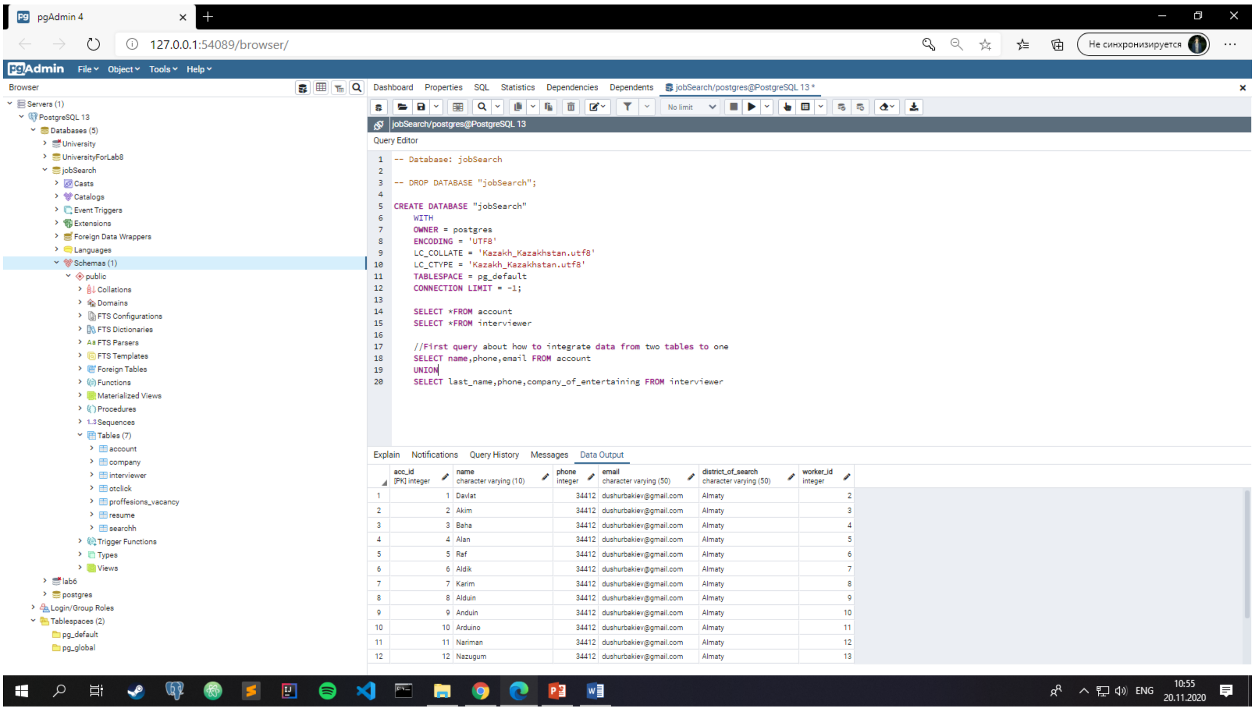
Davlatbek Ushurbakiyev is presenting : Course work part 7-8.

1 query about how to integrate data from two tables to one

SELECT name,phone,email FROM account

UNION

SELECT last_name,phone,company_of_entertaining FROM interviewer



```
-- Database: jobSearch

-- DROP DATABASE "jobSearch";

CREATE DATABASE "jobSearch"
    WITH
    OWNER = postgres
    ENCODING = 'UTF8'
    LC_COLLATE = 'Kazakh_Kazakhstan.utf8'
    LC_CTYPE = 'Kazakh_Kazakhstan.utf8'
    TABLESPACE = pg_default
    CONNECTION LIMIT = -1;

    SELECT *FROM account
    SELECT *FROM interviewer

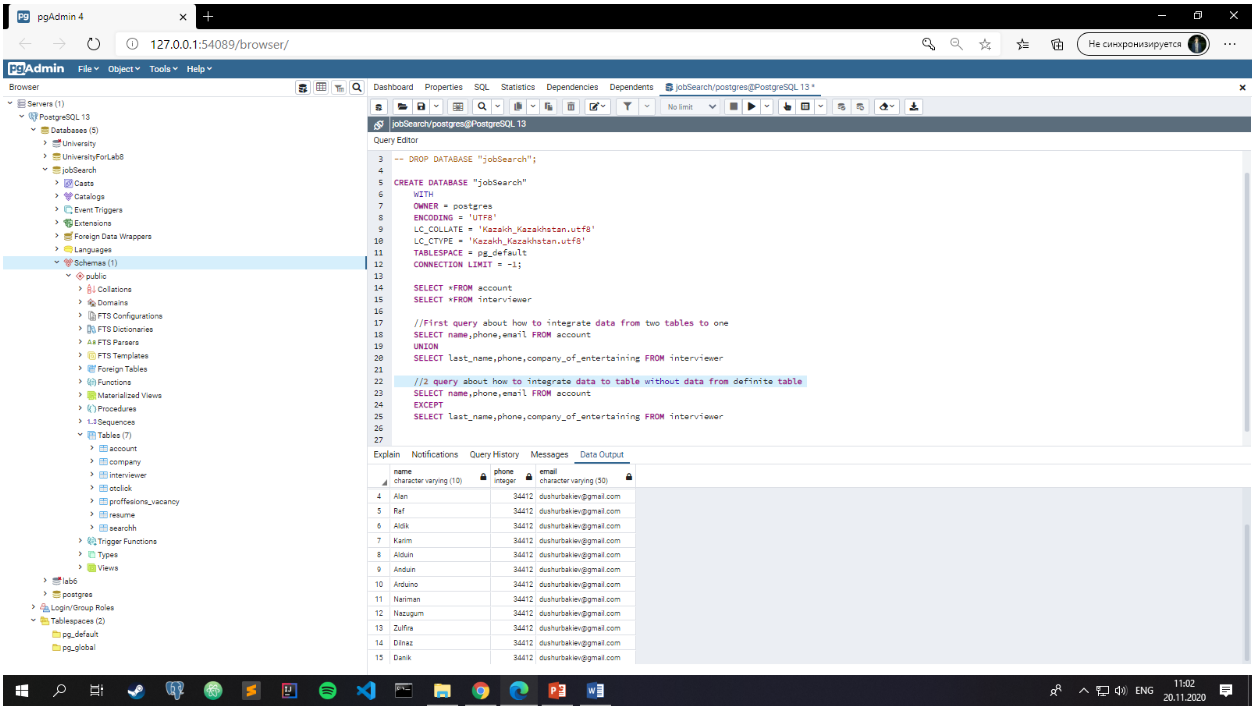
    //First query about how to integrate data from two tables to one
    SELECT name,phone,email FROM account
    UNION
    SELECT last_name,phone,company_of_entertaining FROM interviewer
```

	acc_id [PK] integer	name character varying (10)	phone integer	email character varying (50)	district_of_search character varying (50)	worker_id integer
1	1	Davlat	34412	dushurbakiev@gmail.com	Almaty	2
2	2	Akim	34412	dushurbakiev@gmail.com	Almaty	3
3	3	Baha	34412	dushurbakiev@gmail.com	Almaty	4
4	4	Alan	34412	dushurbakiev@gmail.com	Almaty	5
5	5	Raf	34412	dushurbakiev@gmail.com	Almaty	6
6	6	Aldik	34412	dushurbakiev@gmail.com	Almaty	7
7	7	Karim	34412	dushurbakiev@gmail.com	Almaty	8
8	8	Alduin	34412	dushurbakiev@gmail.com	Almaty	9
9	9	Anduin	34412	dushurbakiev@gmail.com	Almaty	10
10	10	Arduino	34412	dushurbakiev@gmail.com	Almaty	11
11	11	Nariman	34412	dushurbakiev@gmail.com	Almaty	12
12	12	Nazugum	34412	dushurbakiev@gmail.com	Almaty	13

pgAdmin 4
127.0.0.1:54089/browser/
File Object Tools Help
Dashboard Properties SQL Statistics Dependencies Dependents jobSearch/postgres@PostgreSQL 13 *
jobSearch/postgres@PostgreSQL 13
Query Editor
Explain Notifications Query History Messages Data Output
10:55
20.11.2020

2 query about how to integrate data to table without data from definite table

```
SELECT name,phone,email FROM account
            EXCEPT
            SELECT last_name,phone,company_of_entertaining FROM interviewer
```



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    WITH
    OWNER = postgres
    ENCODING = 'UTF8'
    LC_COLLATE = 'Kazakh_Kazakhstan.utf8'
    LC_CTYPE = 'Kazakh_Kazakhstan.utf8'
    TABLESPACE = pg_default
    CONNECTION LIMIT = -1;

    SELECT *FROM account
    SELECT *FROM interviewer

    //First query about how to integrate data from two tables to one
    SELECT name,phone,email FROM account
    UNION
    SELECT last_name,phone,company_of_entertaining FROM interviewer

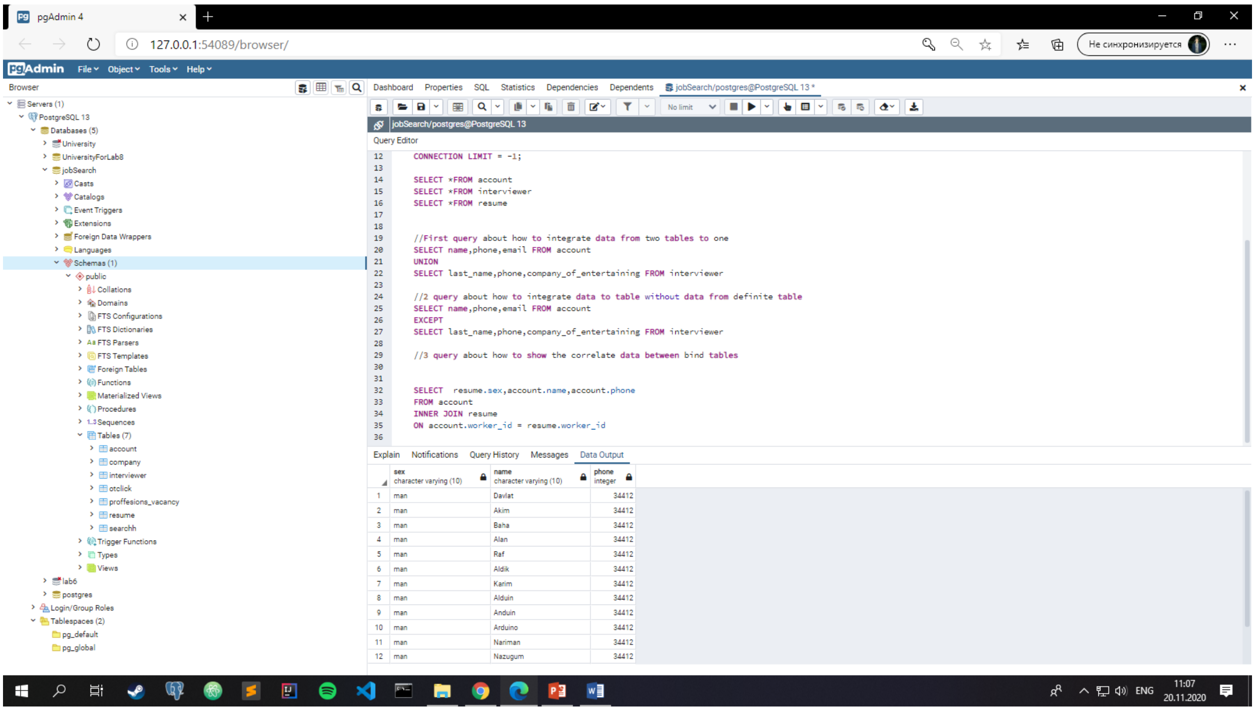
    //2 query about how to integrate data to table without data from definite table
    SELECT name,phone,email FROM account
    EXCEPT
    SELECT last_name,phone,company_of_entertaining FROM interviewer

```

	name character varying (10)	phone integer	email character varying (50)
4	Alan	34412	dushurbakiev@gmail.com
5	Raf	34412	dushurbakiev@gmail.com
6	Aldik	34412	dushurbakiev@gmail.com
7	Karim	34412	dushurbakiev@gmail.com
8	Alduin	34412	dushurbakiev@gmail.com
9	Anduin	34412	dushurbakiev@gmail.com
10	Arduino	34412	dushurbakiev@gmail.com
11	Nariman	34412	dushurbakiev@gmail.com
12	Nazugum	34412	dushurbakiev@gmail.com
13	Zulfira	34412	dushurbakiev@gmail.com
14	Dilnaz	34412	dushurbakiev@gmail.com
15	Danik	34412	dushurbakiev@gmail.com

3 query about how to show the correlate data between bind tables

```
SELECT  resume.sex,account.name,account.phone
        FROM account
        INNER JOIN resume
        ON account.worker_id = resume.worker_id
```



```
    CONNECTION LIMIT = -1;

    SELECT *FROM account
    SELECT *FROM interviewer
    SELECT *FROM resume


    //First query about how to integrate data from two tables to one
    SELECT name,phone,email FROM account
    UNION
    SELECT last_name,phone,company_of_entertaining FROM interviewer

    //2 query about how to integrate data to table without data from definite table
    SELECT name,phone,email FROM account
    EXCEPT
    SELECT last_name,phone,company_of_entertaining FROM interviewer

    //3 query about how to show the correlate data between bind tables


    SELECT  resume.sex,account.name,account.phone
    FROM account
    INNER JOIN resume
    ON account.worker_id = resume.worker_id

```

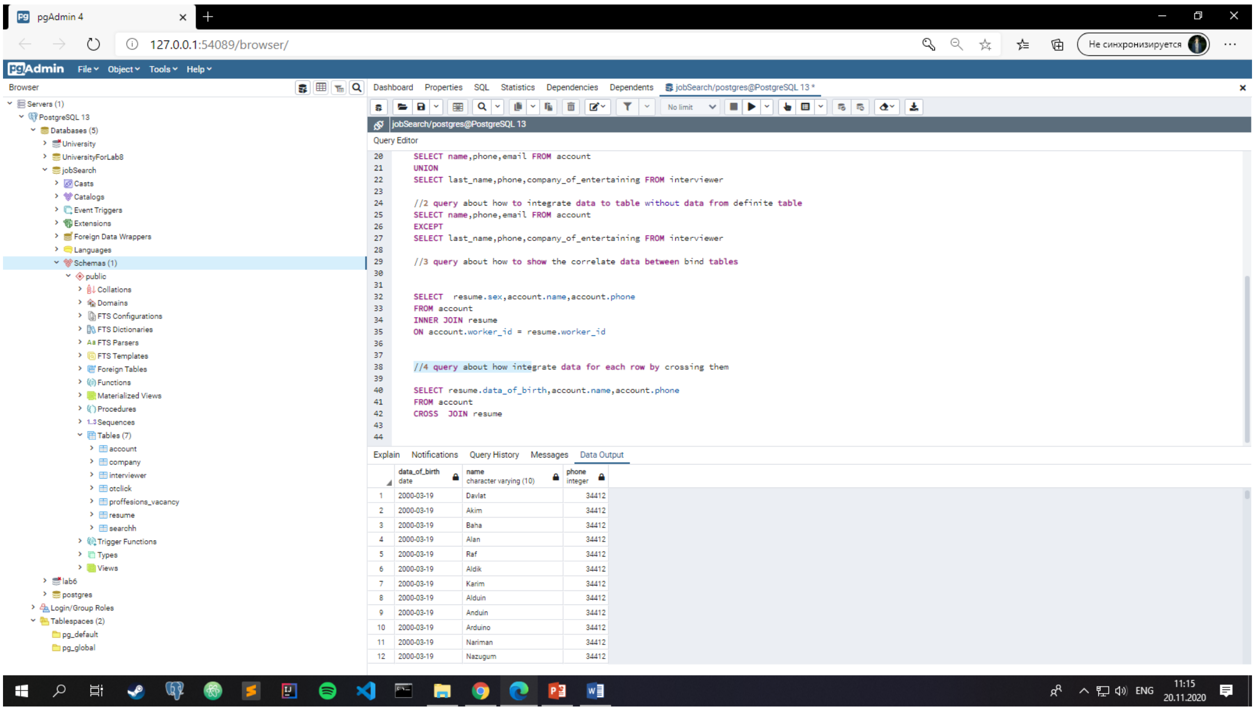
	sex character varying (10)	name character varying (10)	phone integer
1	man	Davlat	34412
2	man	Akim	34412
3	man	Baha	34412
4	man	Alan	34412
5	man	Raf	34412
6	man	Aldik	34412
7	man	Karim	34412
8	man	Alduin	34412
9	man	Anduin	34412
10	man	Arduino	34412
11	man	Nariman	34412
12	man	Nazugum	34412

4 query about how integrate data for each row by crossing them

```
SELECT resume.data_of_birth,account.name,account.phone

FROM account

CROSS  JOIN resume
```



```
SELECT name,phone,email FROM account
UNION
SELECT last_name,phone,company_of_entertaining FROM interviewer

//2 query about how to integrate data to table without data from definite table
SELECT name,phone,email FROM account
EXCEPT
SELECT last_name,phone,company_of_entertaining FROM interviewer

//3 query about how to show the correlate data between bind tables


SELECT  resume.sex,account.name,account.phone
FROM account
INNER JOIN resume
ON account.worker_id = resume.worker_id


//4 query about how integrate data for each row by crossing them

SELECT resume.data_of_birth,account.name,account.phone
FROM account
CROSS  JOIN resume
```

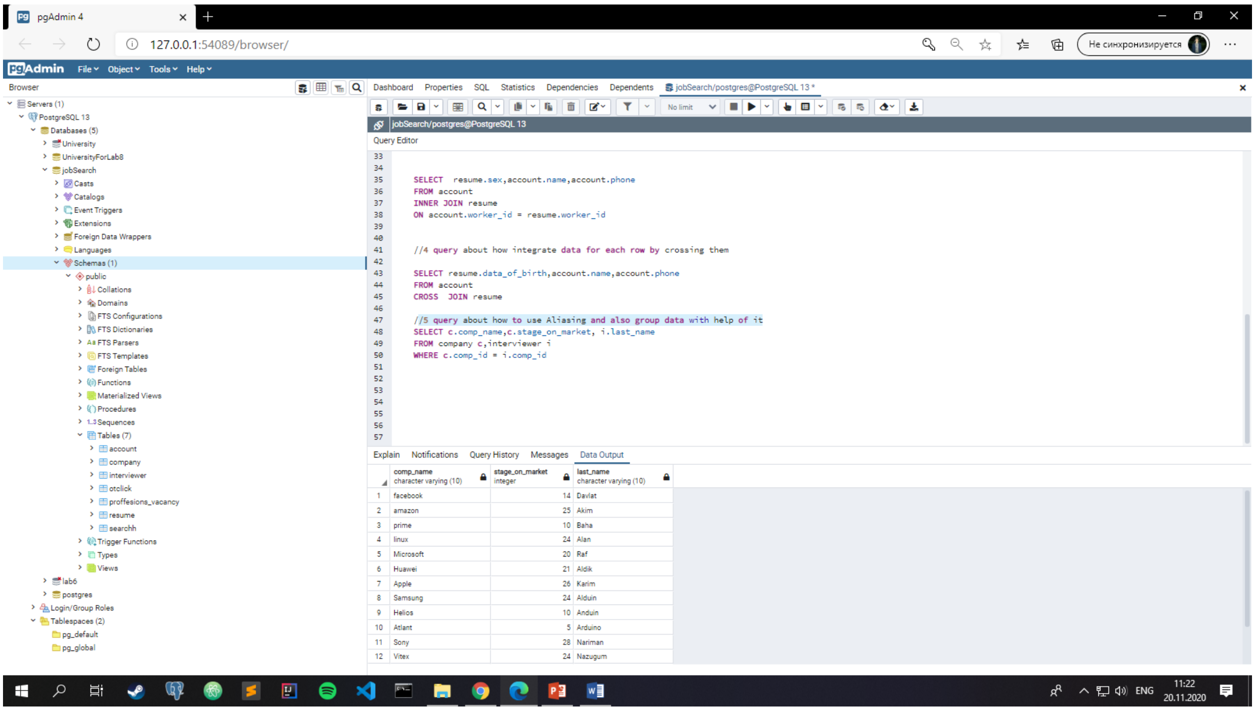
	data_of_birth date	name character varying (10)	phone integer
1	2000-03-19	Davlat	34412
2	2000-03-19	Akim	34412
3	2000-03-19	Baha	34412
4	2000-03-19	Alan	34412
5	2000-03-19	Raf	34412
6	2000-03-19	Aldik	34412
7	2000-03-19	Karim	34412
8	2000-03-19	Alduin	34412
9	2000-03-19	Anduin	34412
10	2000-03-19	Arduino	34412
11	2000-03-19	Nariman	34412
12	2000-03-19	Nazugum	34412

//5 query about how to use Aliasing and also group data with help of it

```
SELECT c.comp_name,c.stage_on_market, i.last_name

FROM company c,interviewer i

WHERE c.comp_id = i.comp_id
```



```
SELECT  resume.sex,account.name,account.phone
FROM account
INNER JOIN resume
ON account.worker_id = resume.worker_id


//4 query about how integrate data for each row by crossing them

SELECT resume.data_of_birth,account.name,account.phone
FROM account
CROSS  JOIN resume

//5 query about how to use Aliasing and also group data with help of it
SELECT c.comp_name,c.stage_on_market, i.last_name
FROM company c,interviewer i
WHERE c.comp_id = i.comp_id
```

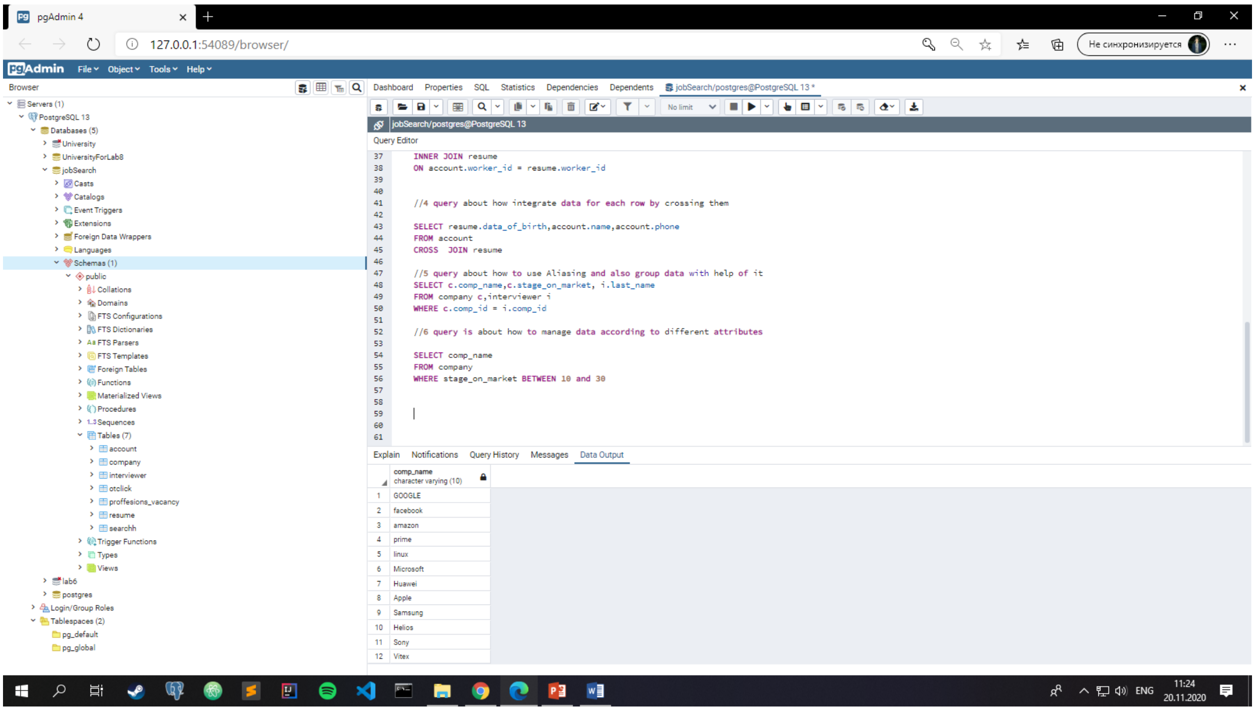
	comp_name character varying (10)	stage_on_market integer	last_name character varying (10)
1	facebook	14	Davlat
2	amazon	25	Akim
3	prime	10	Baha
4	linux	24	Alan
5	Microsoft	20	Raf
6	Huawei	21	Aldik
7	Apple	26	Karim
8	Samsung	24	Alduin
9	Helios	10	Anduin
10	Atlant	5	Arduino
11	Sony	28	Nariman
12	Vitex	24	Nazugum

//6 query is about how to manage data according to different attributes

```
SELECT comp_name

FROM company

WHERE stage_on_market BETWEEN 10 and 30
```



```
    INNER JOIN resume
    ON account.worker_id = resume.worker_id


    //4 query about how integrate data for each row by crossing them

    SELECT resume.data_of_birth,account.name,account.phone
    FROM account
    CROSS  JOIN resume

    //5 query about how to use Aliasing and also group data with help of it
    SELECT c.comp_name,c.stage_on_market, i.last_name
    FROM company c,interviewer i
    WHERE c.comp_id = i.comp_id

    //6 query is about how to manage data according to different attributes

    SELECT comp_name
    FROM company
    WHERE stage_on_market BETWEEN 10 and 30
```

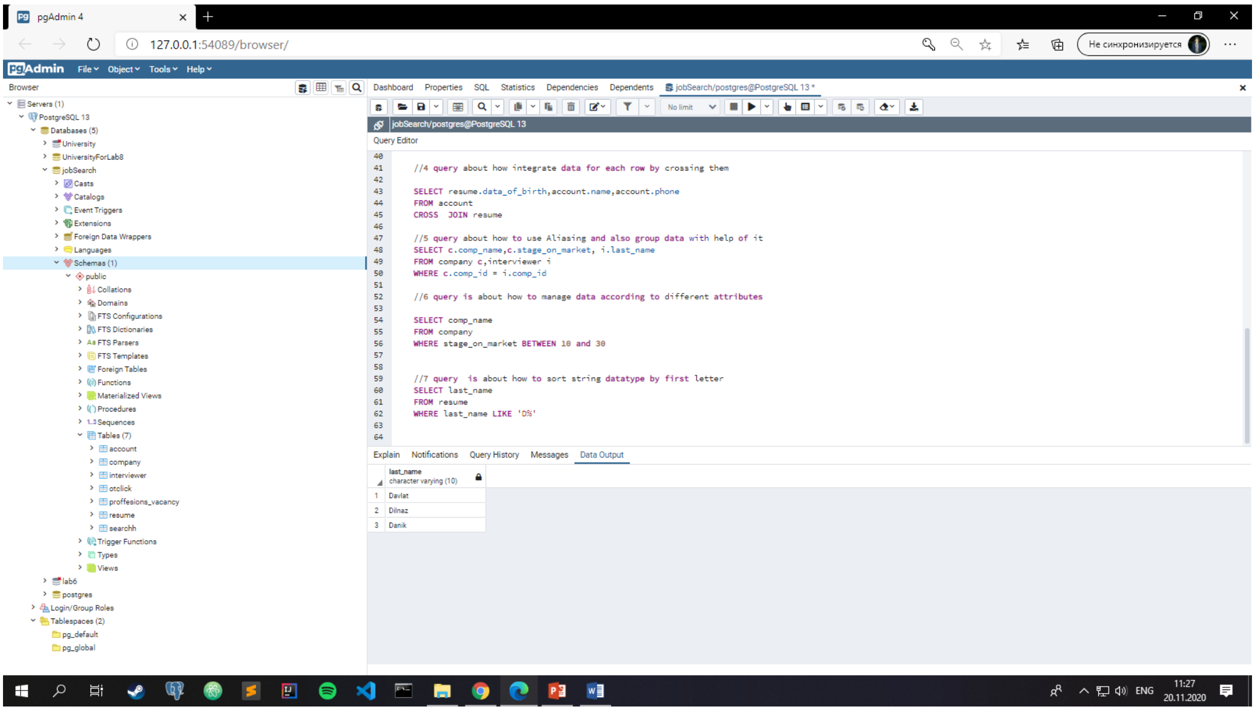
	comp_name character varying (10)
1	GOOGLE
2	facebook
3	amazon
4	prime
5	linux
6	Microsoft
7	Huawei
8	Apple
9	Samsung
10	Helios
11	Sony
12	Vitex

//7 query is about how to sort string datatype by first letter

```
SELECT last_name

FROM resume

WHERE last_name LIKE 'D%'
```



```
//4 query about how integrate data for each row by crossing them

SELECT resume.data_of_birth,account.name,account.phone
FROM account
CROSS  JOIN resume

//5 query about how to use Aliasing and also group data with help of it
SELECT c.comp_name,c.stage_on_market, i.last_name
FROM company c,interviewer i
WHERE c.comp_id = i.comp_id

//6 query is about how to manage data according to different attributes

SELECT comp_name
FROM company
WHERE stage_on_market BETWEEN 10 and 30

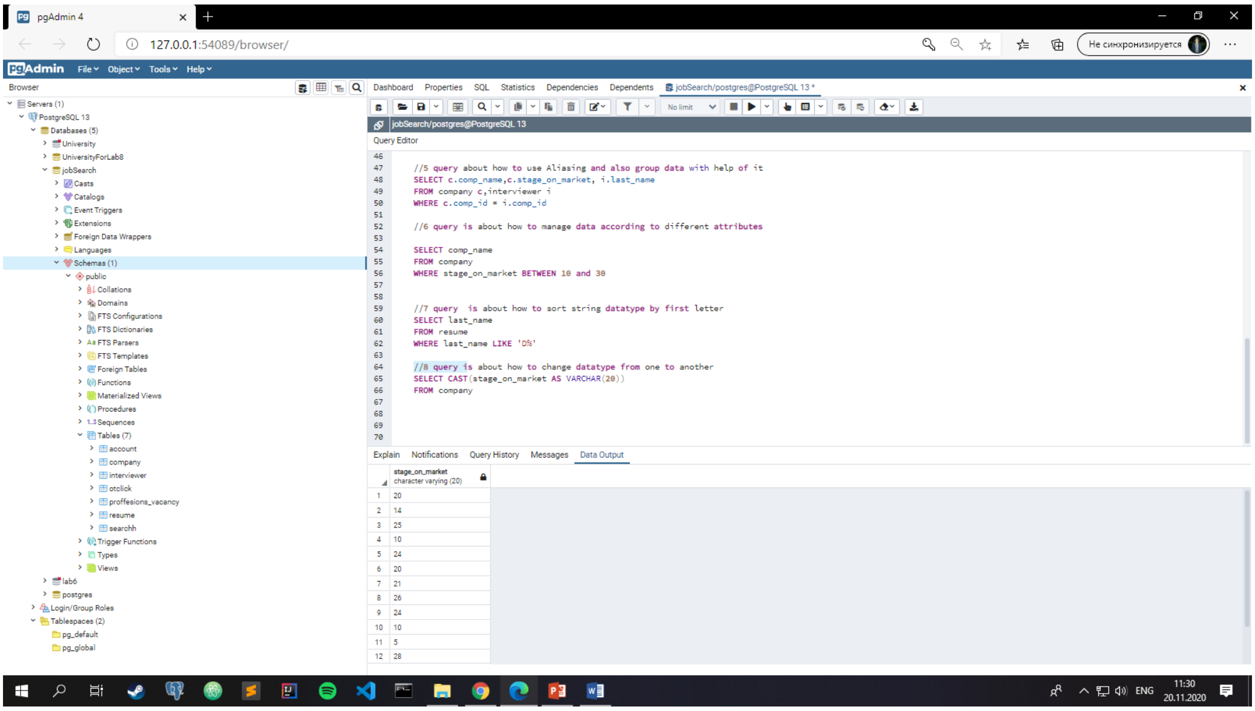

//7 query  is about how to sort string datatype by first letter
SELECT last_name
FROM resume
WHERE last_name LIKE 'D%'
```

	last_name character varying (10)
1	Davlat
2	Dilnaz
3	Danik

//8 query is about how to change datatype from one to another

SELECT CAST(stage_on_market AS VARCHAR(20))

FROM company



jobSearch/postgres@PostgreSQL 13

```
    //5 query about how to use Aliasing and also group data with help of it
    SELECT c.comp_name,c.stage_on_market, i.last_name
    FROM company c,interviewer i
    WHERE c.comp_id = i.comp_id

    //6 query is about how to manage data according to different attributes

    SELECT comp_name
    FROM company
    WHERE stage_on_market BETWEEN 10 and 30

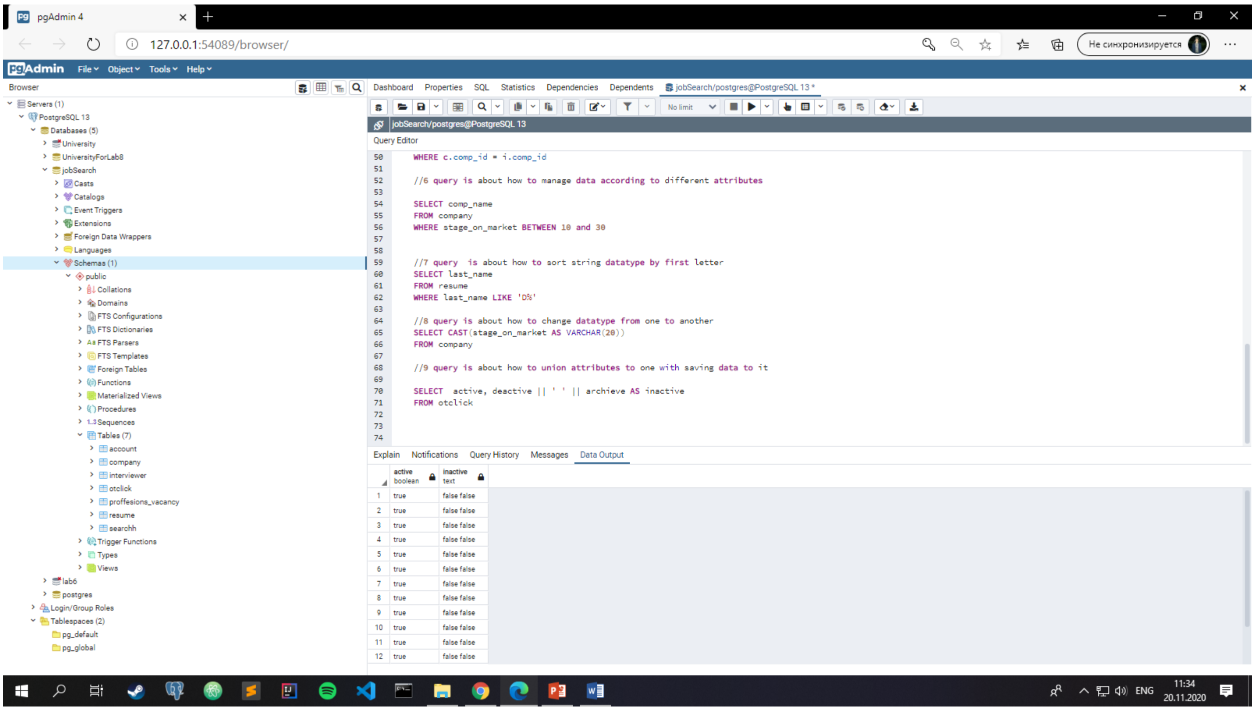

    //7 query  is about how to sort string datatype by first letter
    SELECT last_name
    FROM resume
    WHERE last_name LIKE 'D%'

    //8 query is about how to change datatype from one to another
    SELECT CAST(stage_on_market AS VARCHAR(20))
    FROM company
```

	stage_on_market character varying (20)
1	20
2	14
3	25
4	10
5	24
6	20
7	21
8	26
9	24
10	10
11	5
12	28

//9 query is about how to union attributes to one with saving data to it

```
SELECT  active, deactive || ' ' || archieve AS inactive
FROM otclick
```



```
    WHERE c.comp_id = i.comp_id

    //6 query is about how to manage data according to different attributes

    SELECT comp_name
    FROM company
    WHERE stage_on_market BETWEEN 10 and 30


    //7 query  is about how to sort string datatype by first letter
    SELECT last_name
    FROM resume
    WHERE last_name LIKE 'D%'

    //8 query is about how to change datatype from one to another
    SELECT CAST(stage_on_market AS VARCHAR(20))
    FROM company

    //9 query is about how to union attributes to one with saving data to it

    SELECT  active, deactive || ' ' || archieve AS inactive
    FROM otclick
```

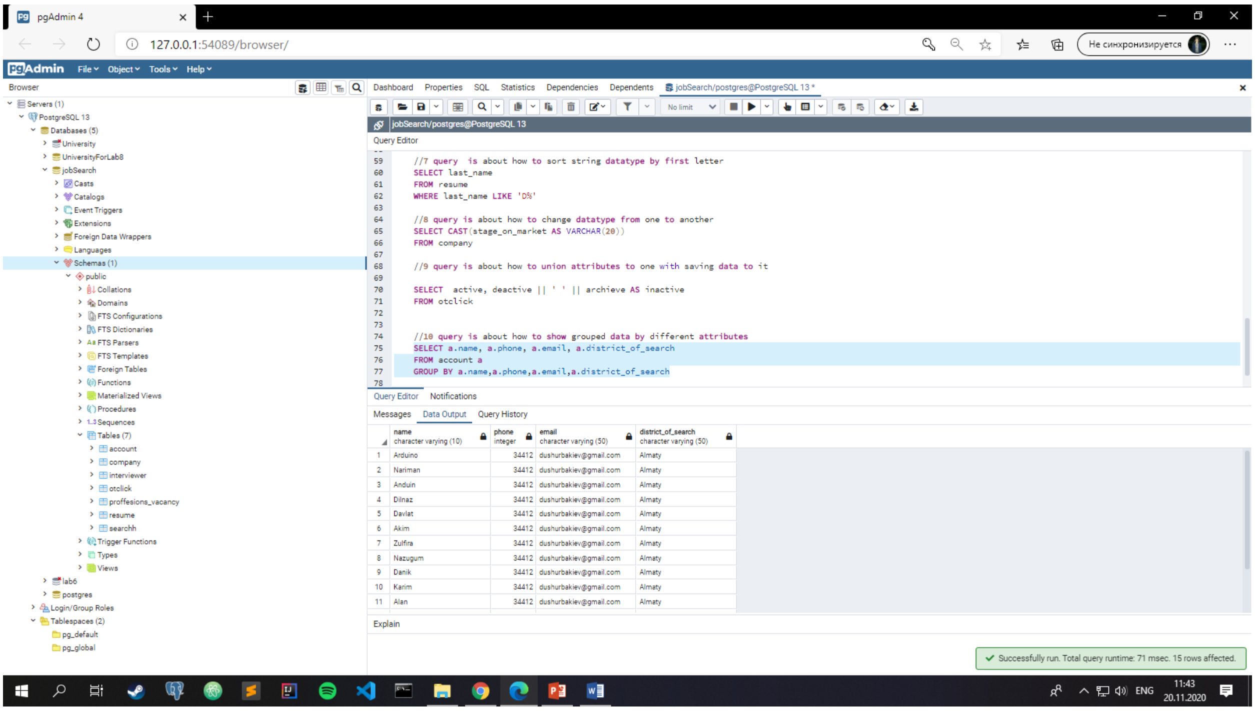
	active boolean	inactive text
1	true	false false
2	true	false false
3	true	false false
4	true	false false
5	true	false false
6	true	false false
7	true	false false
8	true	false false
9	true	false false
10	true	false false
11	true	false false
12	true	false false

//10 query is about how to show grouped data by different attributes

```
SELECT a.name, a.phone, a.email, a.district_of_search

FROM account a

GROUP BY a.name,a.phone,a.email,a.district_of_search
```



```
    //7 query  is about how to sort string datatype by first letter
    SELECT last_name
    FROM resume
    WHERE last_name LIKE 'D%'

    //8 query is about how to change datatype from one to another
    SELECT CAST(stage_on_market AS VARCHAR(20))
    FROM company

    //9 query is about how to union attributes to one with saving data to it

    SELECT  active, deactive || ' ' || archieve AS inactive
    FROM otclick


    //10 query is about how to show grouped data by different attributes
    SELECT a.name, a.phone, a.email, a.district_of_search
    FROM account a
    GROUP BY a.name,a.phone,a.email,a.district_of_search
```

	name character varying (10)	phone integer	email character varying (50)	district_of_search character varying (50)
1	Arduino	34412	dushurbakiev@gmail.com	Almaty
2	Nariman	34412	dushurbakiev@gmail.com	Almaty
3	Anduin	34412	dushurbakiev@gmail.com	Almaty
4	Dilnaz	34412	dushurbakiev@gmail.com	Almaty
5	Davlat	34412	dushurbakiev@gmail.com	Almaty
6	Akim	34412	dushurbakiev@gmail.com	Almaty
7	Zulfira	34412	dushurbakiev@gmail.com	Almaty
8	Nazugum	34412	dushurbakiev@gmail.com	Almaty
9	Danik	34412	dushurbakiev@gmail.com	Almaty
10	Karim	34412	dushurbakiev@gmail.com	Almaty
11	Alan	34412	dushurbakiev@gmail.com	Almaty

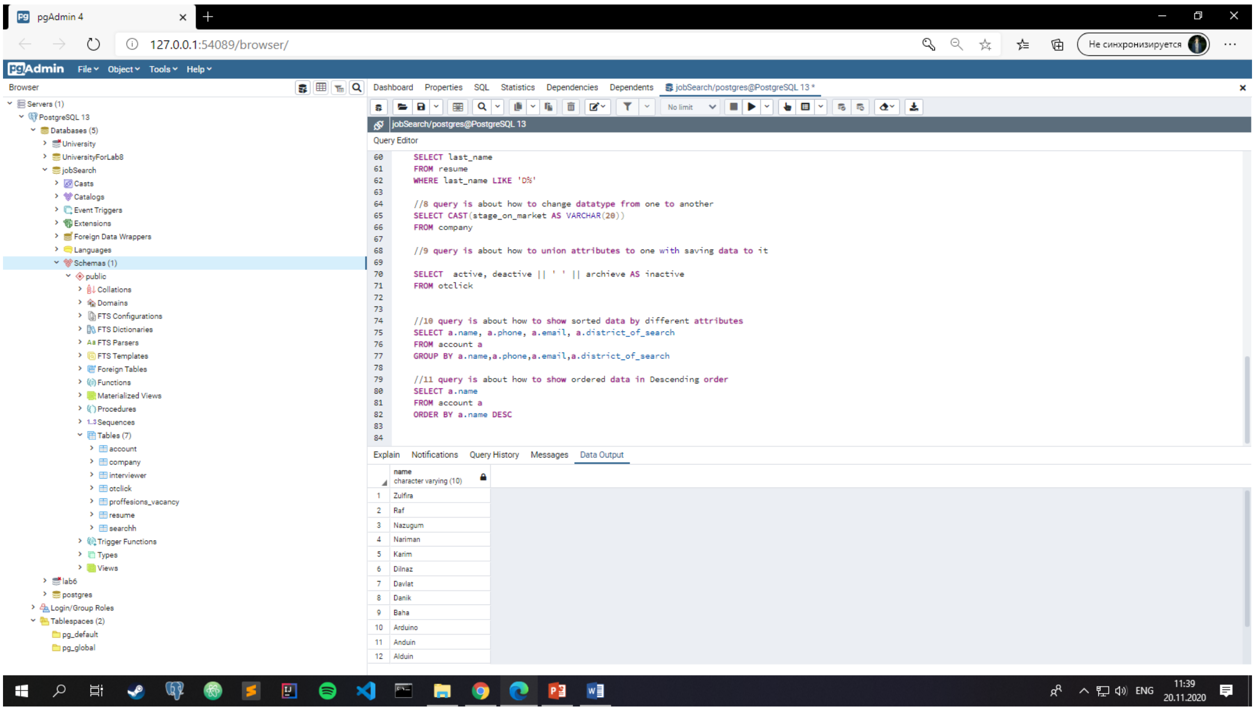
✓ Successfully run. Total query runtime: 71 msec. 15 rows affected.

//11 query is about how to show ordered data in Descending order

```
SELECT a.name

FROM account a

ORDER BY a.name DESC
```



```
    SELECT last_name
    FROM resume
    WHERE last_name LIKE 'D%'

    //8 query is about how to change datatype from one to another
    SELECT CAST(stage_on_market AS VARCHAR(20))
    FROM company

    //9 query is about how to union attributes to one with saving data to it

    SELECT  active, deactive || ' ' || archieve AS inactive
    FROM otclick


    //10 query is about how to show sorted data by different attributes
    SELECT a.name, a.phone, a.email, a.district_of_search
    FROM account a
    GROUP BY a.name,a.phone,a.email,a.district_of_search

    //11 query is about how to show ordered data in Descending order
    SELECT a.name
    FROM account a
    ORDER BY a.name DESC
```

	name character varying (10)
1	Zulfira
2	Raf
3	Nazugum
4	Nariman
5	Karim
6	Dilnaz
7	Davlat
8	Danik
9	Baha
10	Arduino
11	Anduin
12	Alduin