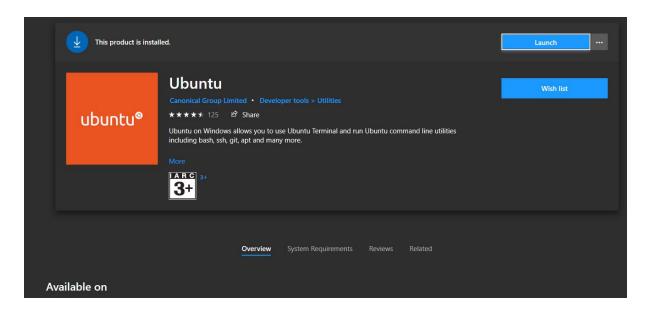
# Apache Superset Installation

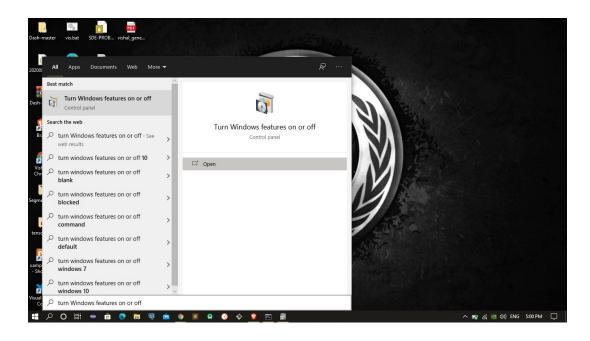
Please follow the commands mentioned below to install apache superset.

Ubuntu(Windows by Enabling Linux Subsystem For Windows)

Step 1: Download and install Ubuntu from windows Store.

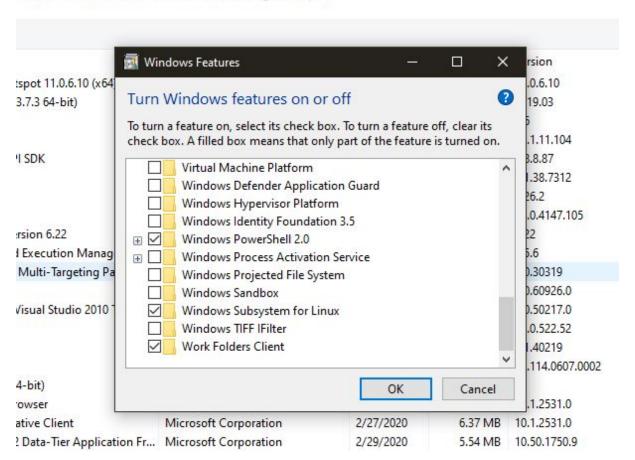


Step 2: Goto Turn Windows Features on or off (just by searching)

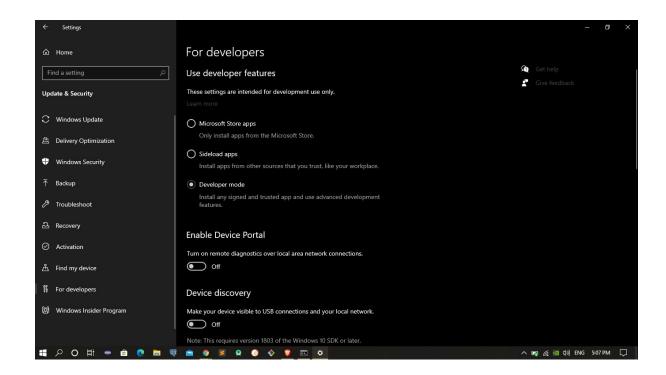


### 3. Select the Windows Subsystem for Linux and then press ok

et it nom the list and then thek omnstall, change, or kepall.



Note :- After that make sure you have turned on Developer mode for windows some time you might face some issue .



After that open the ubuntu which you have installed. And enter the username & password



#### After that enter the commands in ubuntu :-

- 1. sudo apt update
- 2. sudo apt install python3-pip
- 3. pip3 --version

```
To check for new updates un: sudo apt update

// Concert for new updates un: sudo apt update

// Concert for new updates un: sudo apt update

// Concert for new updates un: sudo apt update

// Concert for new updates un: sudo apt update

// Concert for new updates un: sudo apt update

// Concert for new updates update

// Concert for new updates update

// Concert for new updates update

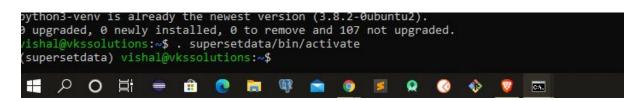
// Concert for new updates

//
```

- 4. pip3 install virtualenv
- 5. sudo apt-get install python3-venv
- 6 python3 -m venv supersetdata

```
Set: 8 http://security.ubuntu.com/ubuntu focal-security/main and64 Packages [157 k8]
60: 8 http://security.ubuntu.com/ubuntu focal-updates/main Translation-em [119 k8]
60: 8 http://security.ubuntu.com/ubuntu focal-security/main Translation-em [156 k8]
60: 8 http://security.ubuntu.com/ubuntu focal-updates/main and64 c-n-f Metadata [816 8]
60: 9 http://security.ubuntu.com/ubuntu focal-updates/main and64 c-n-f Metadata [816 8]
60: 9 http://security.ubuntu.com/ubuntu focal-updates/main and64 c-n-f Metadata [816 8]
60: 118 http://security.ubuntu.com/ubuntu focal-updates/main and64 c-n-f Metadata [816 8]
60: 118 http://security.ubuntu.com/ubuntu focal-updates/restricted Translation-em [722 8]
60: 118 http://security.ubuntu.com/ubuntu focal-security/restricted and64 Packages [272 k8]
60: 118 http://security.ubuntu.com/ubuntu focal-security/restricted and64 Packages [272 k8]
60: 118 http://security.ubuntu.com/ubuntu focal-security/mainese and64 Packages [272 k8]
60: 118 http://security.ubuntu.com/ubuntu focal-security/mainese and64 Packages [116 k8]
60: 118 http://security.ubuntu.com/ubuntu focal-updates/multiverse and64 Packages [116 k8]
60: 118 http://security.ubuntu.com/ubuntu focal-security/mainese and64 Packages [116 k8]
60: 118 http://security.ubuntu.com/ubuntu focal-updates/multiverse and64 Packages [116 k8]
60: 118 http://security.ubuntu.com/ubuntu focal-security/mainese and64 Packages [116 k8]
60: 1
```

#### 7. . supersetdata/bin/activate



#### After that enter these commands

- 8. pip install --upgrade setuptools pip
- 9. pip install apache-superset
- 10. superset db upgrade
- 11. export FLASK\_APP=superset
- 12. superset fab create-admin

( Username [admin]: admin

User first name [admin]: admin

User last name [user]: admin

Email [admin@fab.org]: xyz@gmail.com

Password:

Repeat for confirmation: )

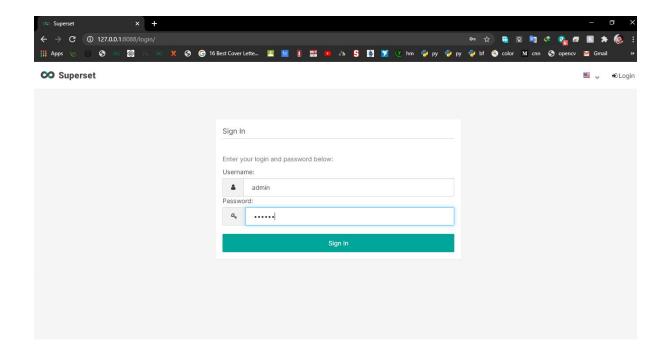
- 13. superset load\_examples
- 14. superset init

```
(supersetdata) vishal@vissolutions:-$ superset int
logging was configured successfully
INFO:superset.utils.logging_configurator:logging was configured successfully
/home/vishal/supersetdata/lib/python3.8/site-packages/flask_caching/_init__.py:191: UserWarning: Flask-Caching: CACHE_TYPE is set to null, caching is effectively disabled.

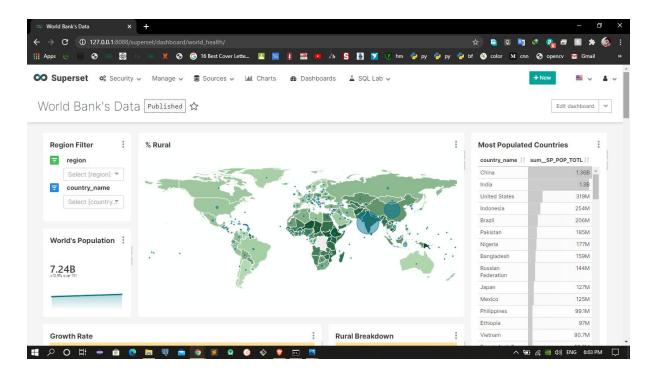
warnings.warn(
Syncing role definition
INFO:superset.security.manager:syncing role definition
Syncing role affinition
INFO:superset.security.manager:syncing Admin perms
Syncing Alpha perms
INFO:superset.security.manager:syncing Gamma perms
Syncing Alpha perms
INFO:superset.security.manager:syncing Gamma perms
Syncing Alpha perms
INFO:superset.security.manager:syncing granter perms
Syncing Sql.lab perms
INFO:superset.security.manager:syncing sql_lab perms
Fetching a set of all perms to lookup which ones are missing
INFO:superset.security.manager:retching a set of all perms to lookup which ones are missing
Creating missing databource permissions.
INFO:superset.security.manager:creating missing metrics permissions
```

15. superset run -p 8088 --with-threads --reload --debugger

Enter the url in your Browser :- http://127.0.0.1:8088/



After Sign in you will see Dashboards Explore the DashBoards



## How to Get MSSQL Data in PostgreSql?

Using (Foreign Data Wrapper) tds\_fdw

## PostgreSql Installation

Here I am using PostgreSQL 12 .(PostgreSql Download Link)

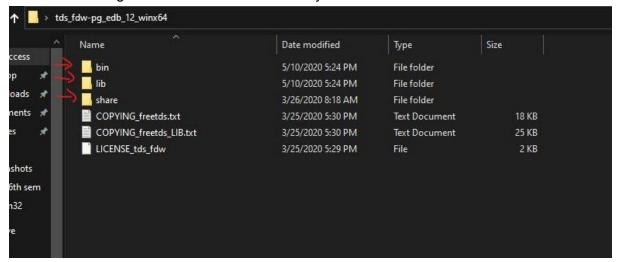
## tds\_fdw installation and configuration

You need to download suitable Binaries according to your Software.

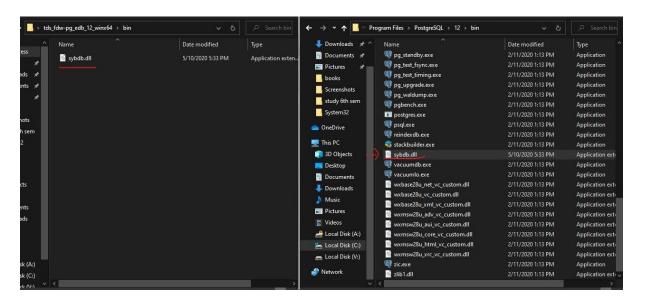
For Binaries You can refer the below link .(Binary file link)

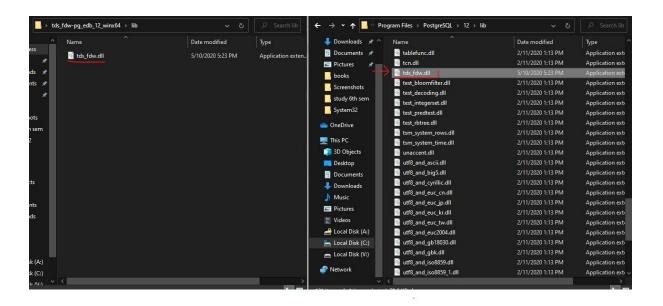
(https://github.com/tds-fdw/tds\_fdw/issues/53#issuecomment-626329771)

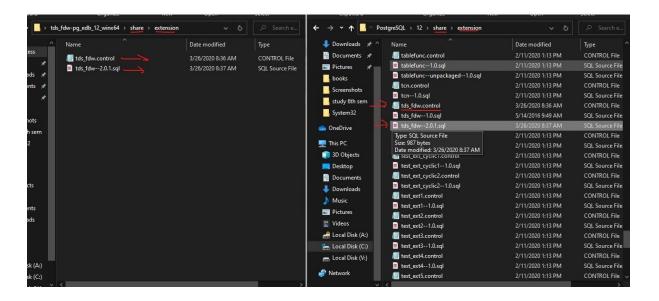
After downloading the binaries extract the Binary file .



After that go to PostgreSql Folder in Program files and Paste the Binary file according to given instruction.





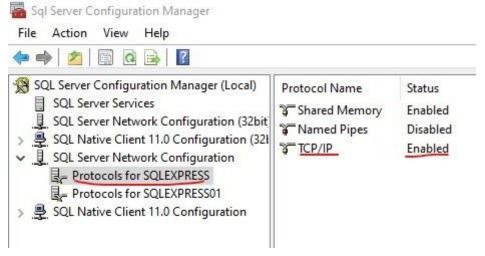


Before creating extension check on which port your Ms sql server is Running.

1. Open SQL sever 2019(your version) configuration Manager.

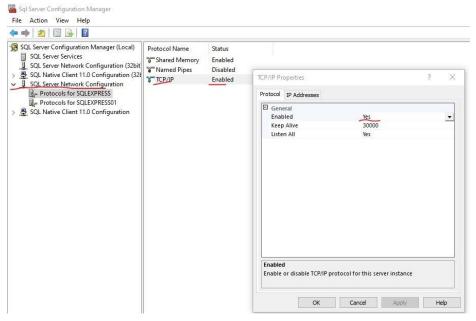


## 2. Open the Sql Server 2019 configuration Manager

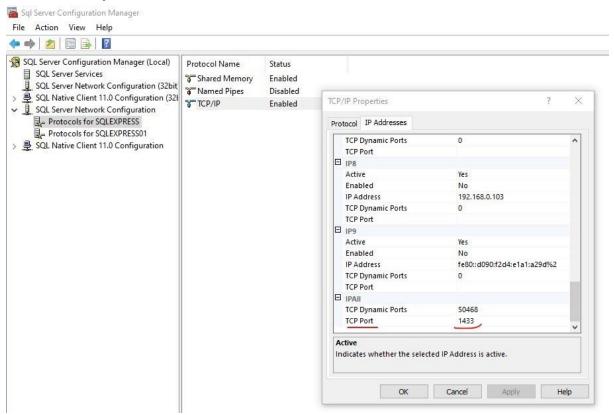


Check TCP/IP is enabled.

### 3 Click on the TCP/IP and check on which port it is running

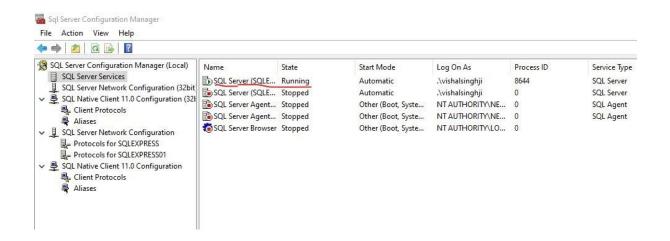


See if there is port number mentioned or not & click ok .



### After that restart the server.

Click on the Sql server (which is running) and Restart it .

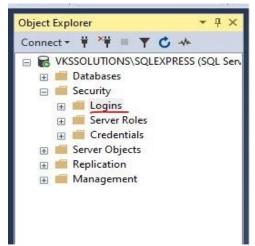


## MSSQL Table Creation and accessing in Postgres

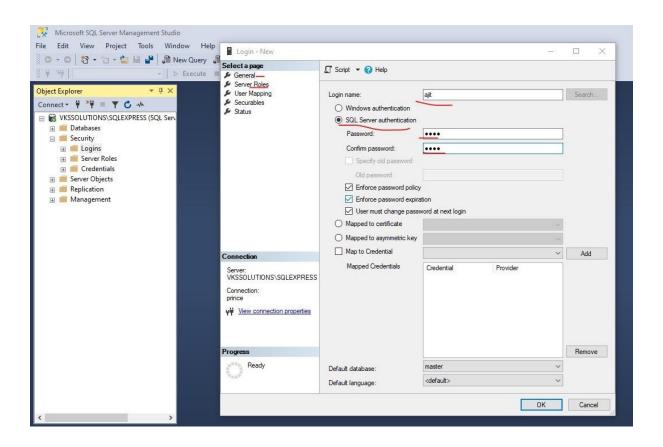
**Open Microsoft SQL Server Management Studio 18** 

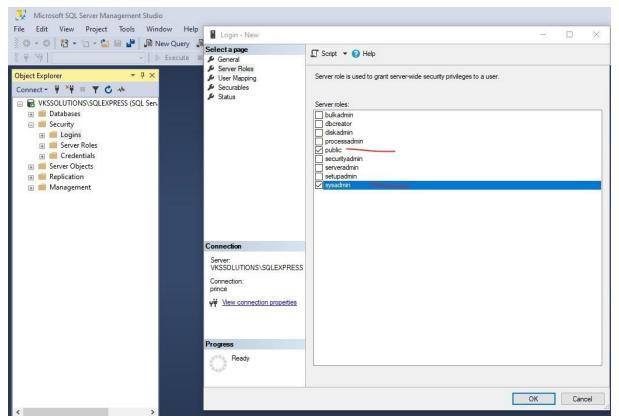


Open it and we are going to **create new user** first. Go to login and click on it to create new user.

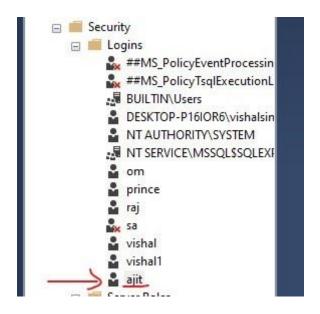


After that write the **UserName & Password** and give certain **permission of sysadmin**(to fetch all the database if you wish)

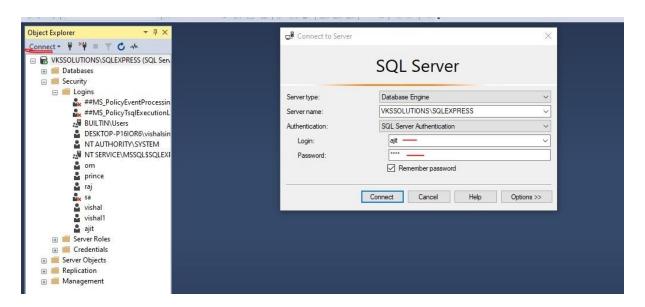




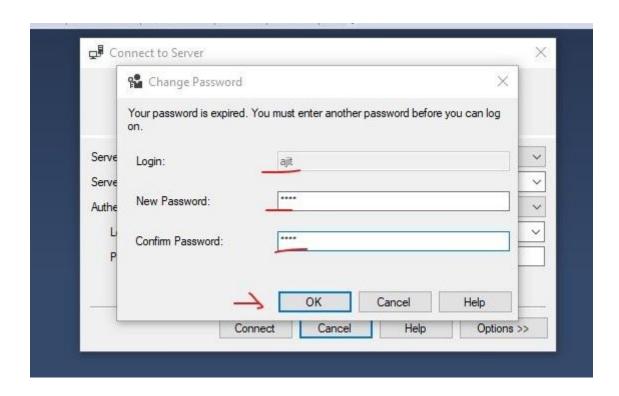
Press **Ok** and you will see a new user has been created.



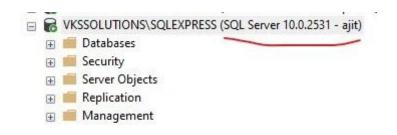
After that we are going to log in with the new user .



As the new user it will ask for new password you can enter same password as you wish.

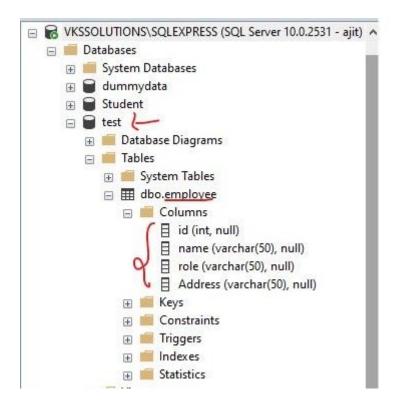


Press Ok you will find that you have signed into MS SQL with same UserName.



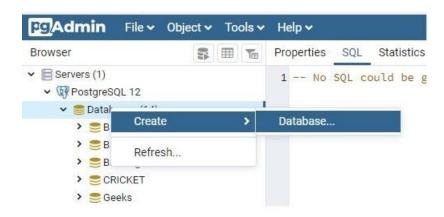
So create one Database and Table .

**Table Name** - Test **Table Name** - employee (with 4 attributes) **Schema** - dbo

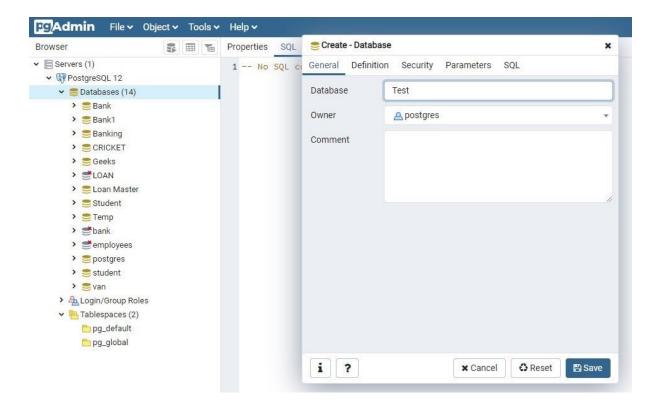


After that we will go to PostgreSql we will create extension and try to fetch data using Foreign Data wrapper.

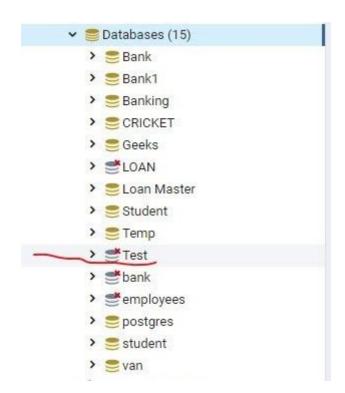
#### 1 Create Database



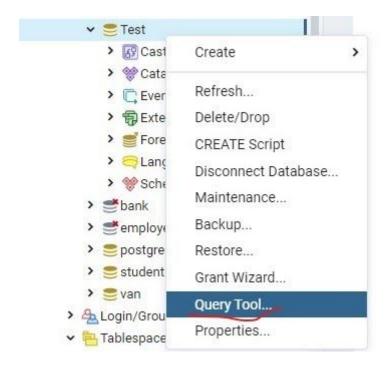
Enter the **DataBase Name and press Save**.



After that you will find DatabaseName in Databases.



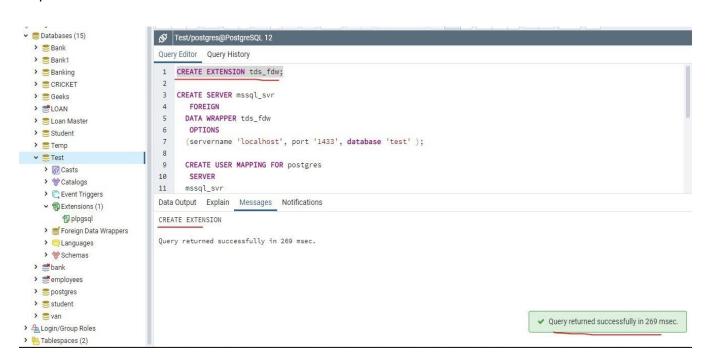
**Open Query tool** 



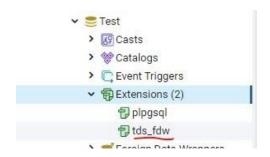
## We are going to create extension(tds\_fdw)

I have followed this link for syntax reference(Syntax Link)

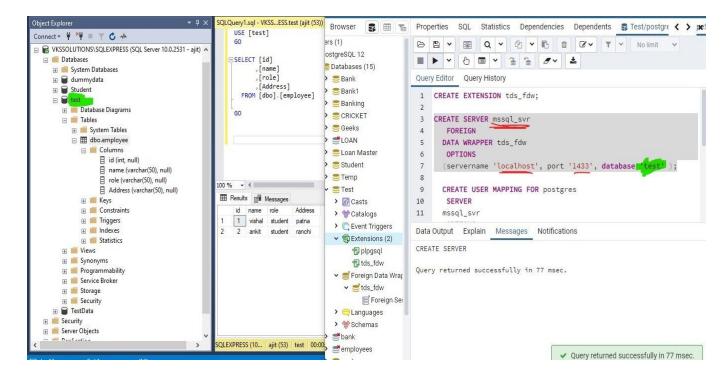
Step:1



After execution you can find extension.



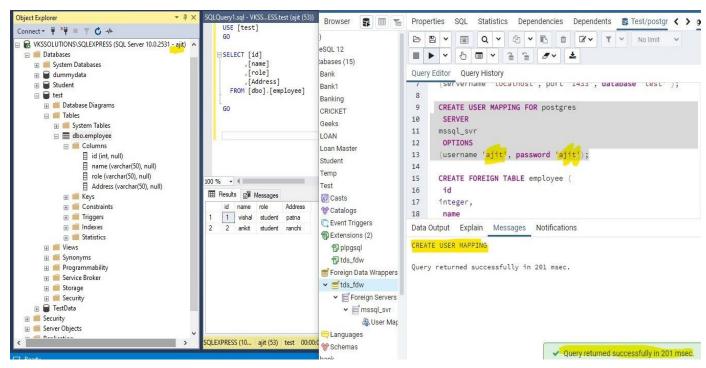
**Step 2: Foreign server Creation** 



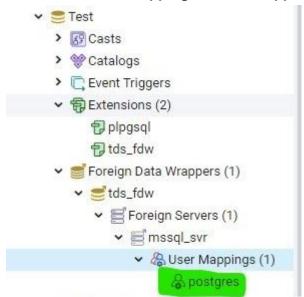
You will find foreign server you created on foreign servers.



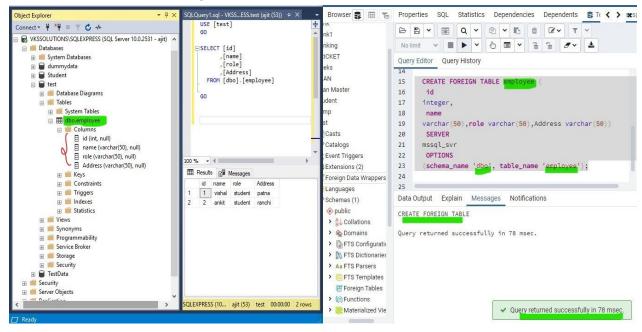
Step 3: We are going to create userMapping



You can see user Mappings in user Mapping that you have created.



Step 4: We will create Foreign Table



### You can see created Foreign Table



Step 5: Now we are going to Run a Query to check we can fetch Data .

