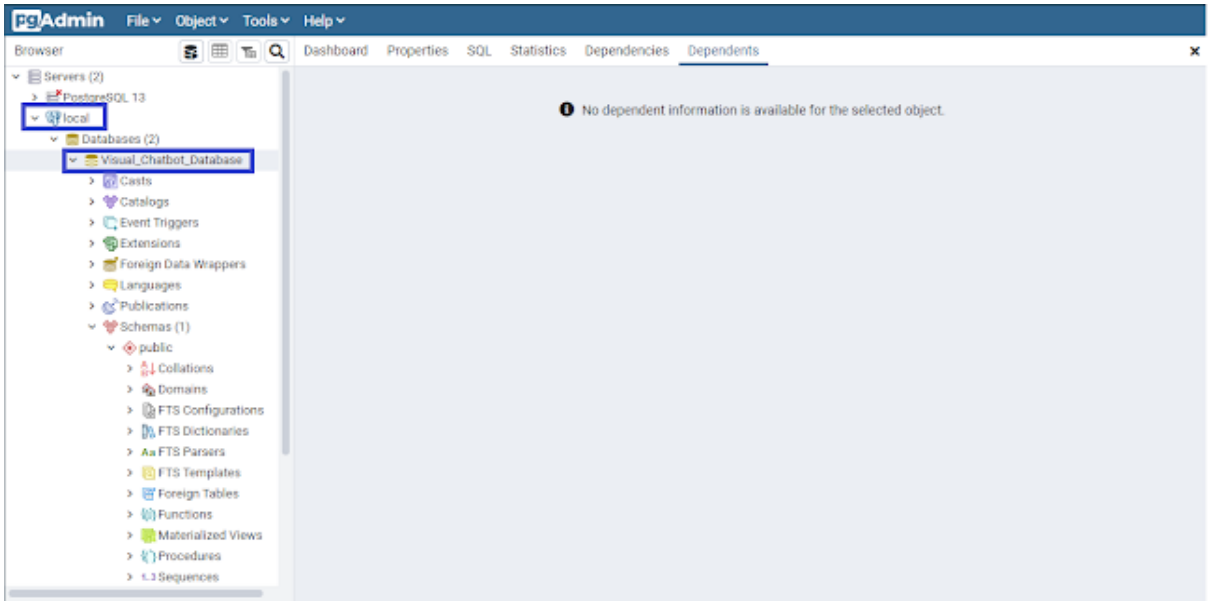
# Data Visualization Chatbot Support Document

## Importing your dataset

- A dataset can be imported in **csv (Comma Separated Value)** format. The headers of the csv must not contain any spaces or special characters **except _ (underscore)**.

- Once the data is imported it is stored in a locally hosted **postgresql Database** titled "**Visual_Chatbot_Database**"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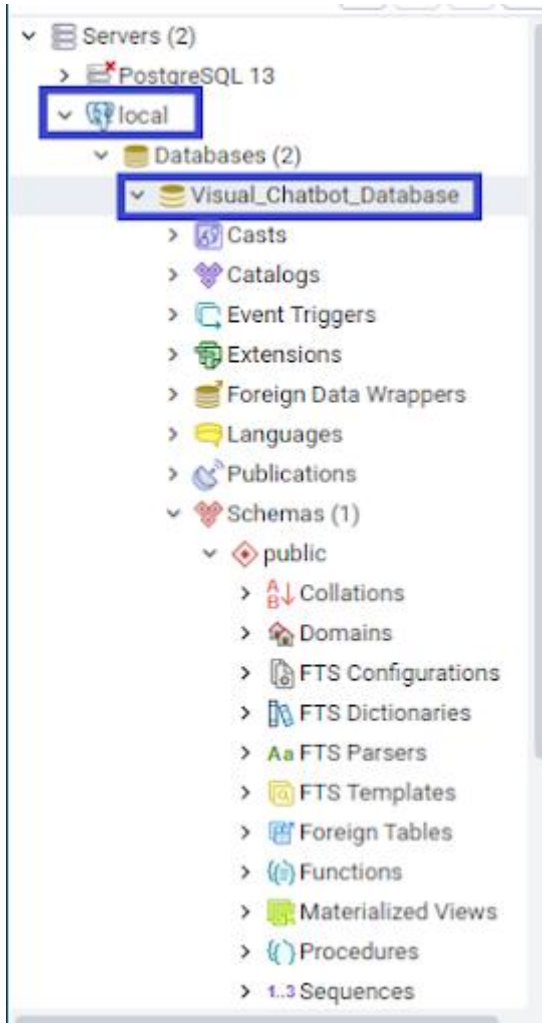
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**Administrator Configuring and Setting up CSV files of their own choice**

- An admin can set up their own Database [1] files using either of these methods:

1. Create their own Table [2] using SQL commands:

Once this Table is created inside the Database add the name of the Database in db.py as follows:

```
database = "nameofdatabase"
```

Now add the **intents** in the **intents.json** file manually in the following format. **Note** the use of a comma at the end of intents.json before appending this new block of json data.

```
,{

      "tag" : "Tablename",

      "patterns" : [
```

```
        "Tablename data",


         "Show me a visualization of Tablename"

      ],      "responses" : [

        "Tablename_DataVisual_Create"

      ]

}
```

Additionally, store the name of the Table in the file called imported_file.txt by appending it to the end of the file by separating it with a space character.

**Tablename**

2. Use the get_csvtodb function (which can be found at [3]) to upload the CSV to the database using the function defined in db.py

Now add the **intents** in the **intents.json** file manually in the following format. **Note** the use of a comma at the end of intents.json before appending this new block of json data.

```
,{

     "tag" : "Tablename",

     "patterns" : [

       "Tablename data",


        "Show me a visualization of Tablename"

     ],      "responses" : [
```

```
        "Tablename_DataVisual_Create"


      ]


}
```

Additionally, store the name of the Table in the file called imported_file.txt by appending it to the end of the file by separating it with a space character.

**Tablename**

But before these steps we need to **set up** the **password** using **keyring module** or other methods since plain text directly in the code is not very secure.

**To install keyring use either of the commands given below**

```
python -m pip install keyring

pip install keyring

pip3 install keyring
```

**To set up a keyring password use**

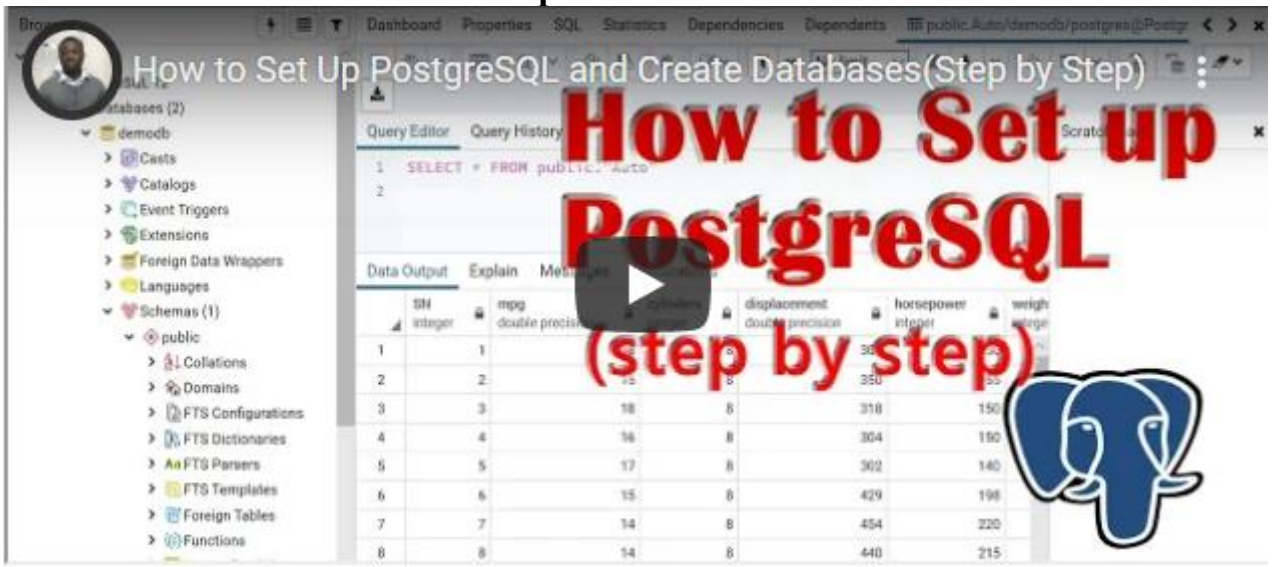
```
$ python

>>>keyring.set_password("system","username","password")
```

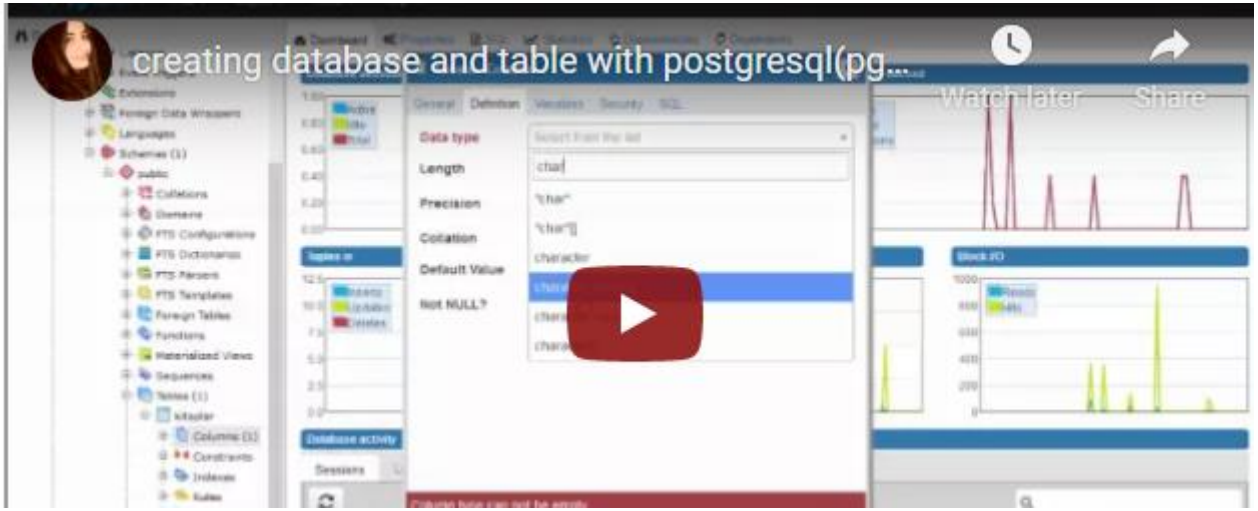
To learn more about keyring passwords [4]

## References:

**Installation and Database creation help videos:**




[1]




[2]

**db.py Script**
[3] DataVisualizationChatbot/db.py at main · rahulnoronha/DataVisualizationChatbot (github.com)

**Keyring help**

[4] Welcome to keyring documentation! — keyring 23.0.2.dev8+gfe93b37.d20210520 documentation

**Thanks for reading!**

**You can connect with me at:**
**GitHub**
**LinkedIn**
**Email**