1. **What Is PostgreSQL?**

**PostgreSQL is an object-relational database management system (ORDBMS) based on POSTGRES, Version 4.2, developed at the University of California at Berkeley Computer Science Department. POSTGRES pioneered many concepts that only became available in some commercial database systems much later.**

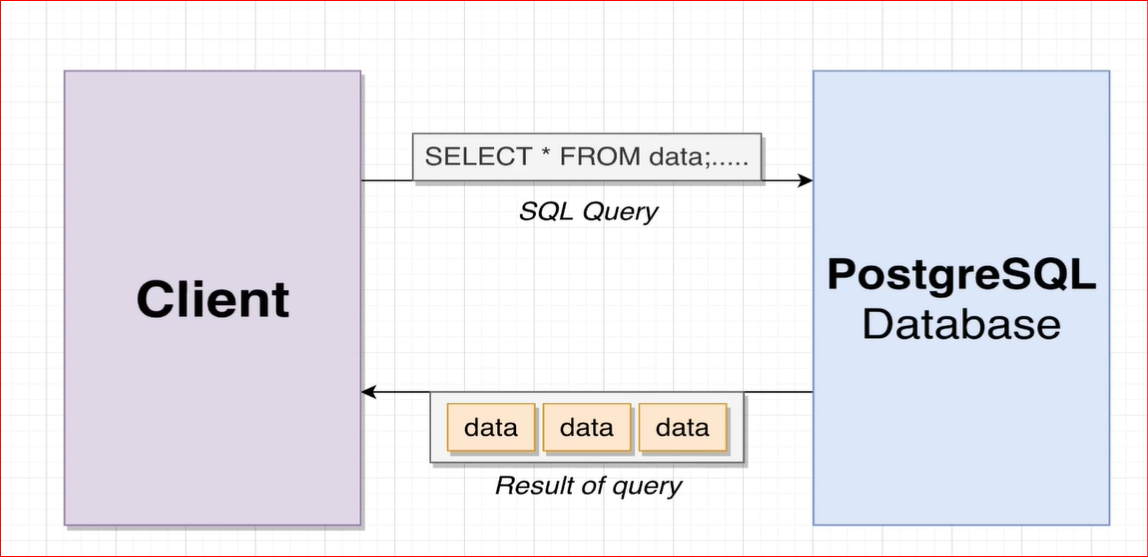
PostgreSQL is an open-source descendant of this original Berkeley code. It supports a large part of the SQL standard and offers many modern features:

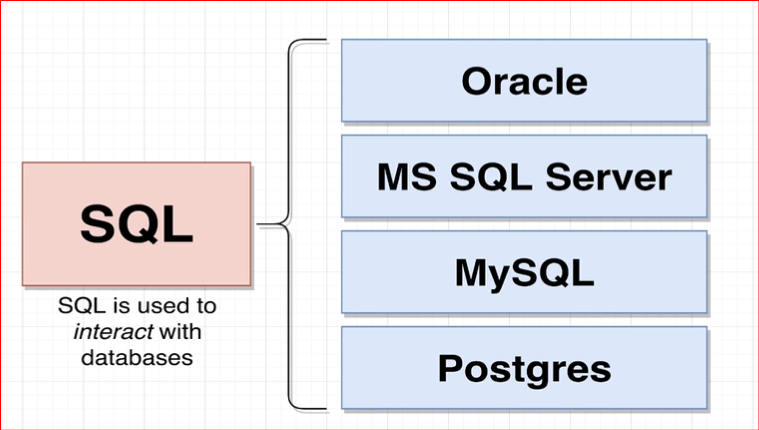
1. complex queries
2. foreign keys
3. triggers
4. updatable views
5. transactional integrity
6. multiversion concurrency control

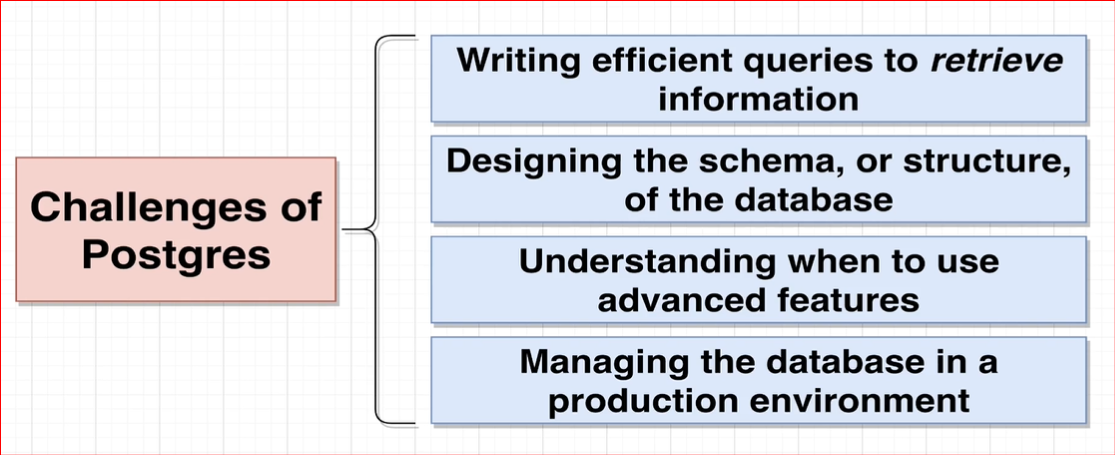
Also, PostgreSQL can be extended by the user in many ways, for example by adding new

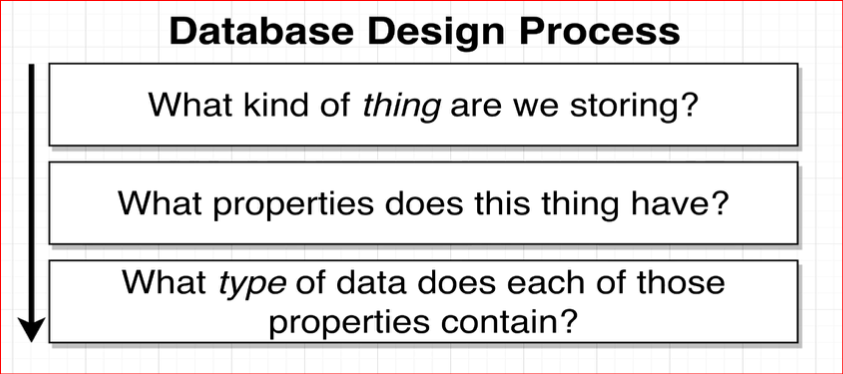
* data types
* functions
* operators
* aggregate functions
* index methods
* procedural languages

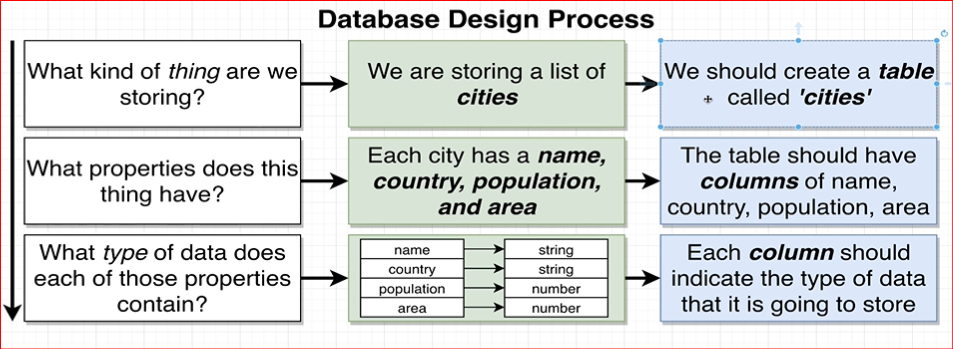
And because of the liberal license, PostgreSQL can be used, modified, and distributed by anyone free of charge for any purpose, be it private, commercial, or academic.

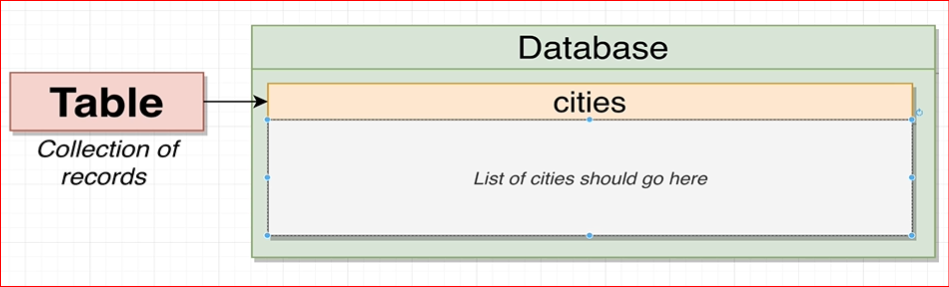


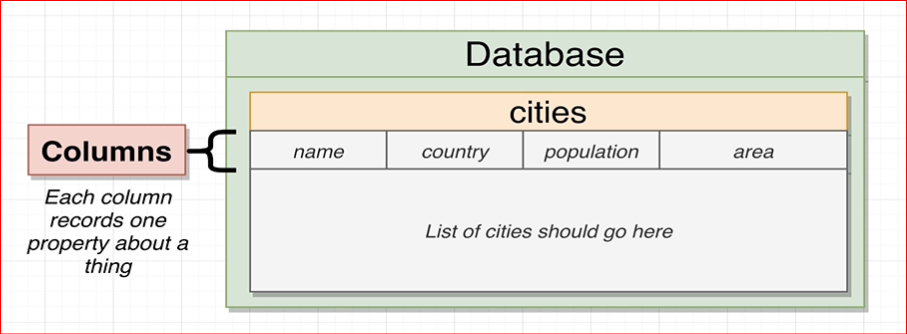


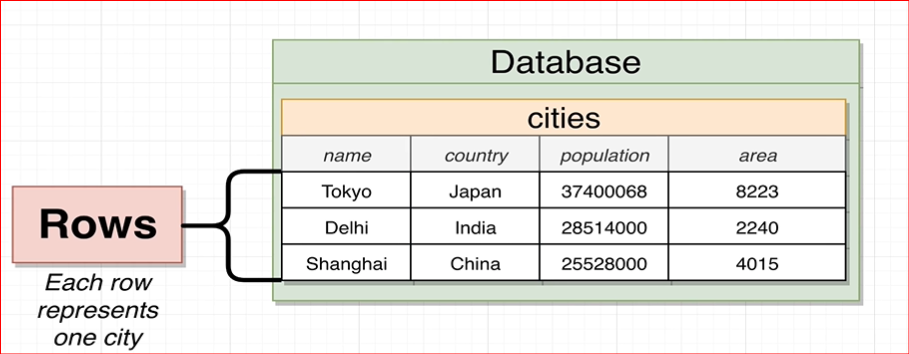






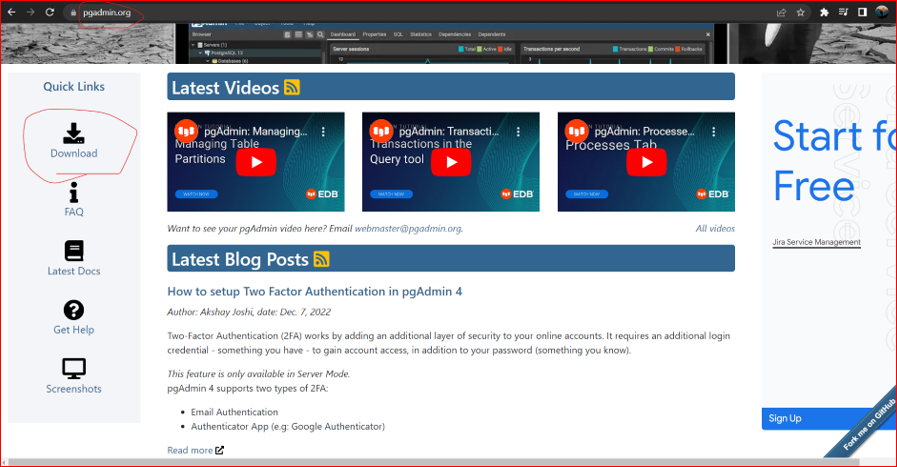




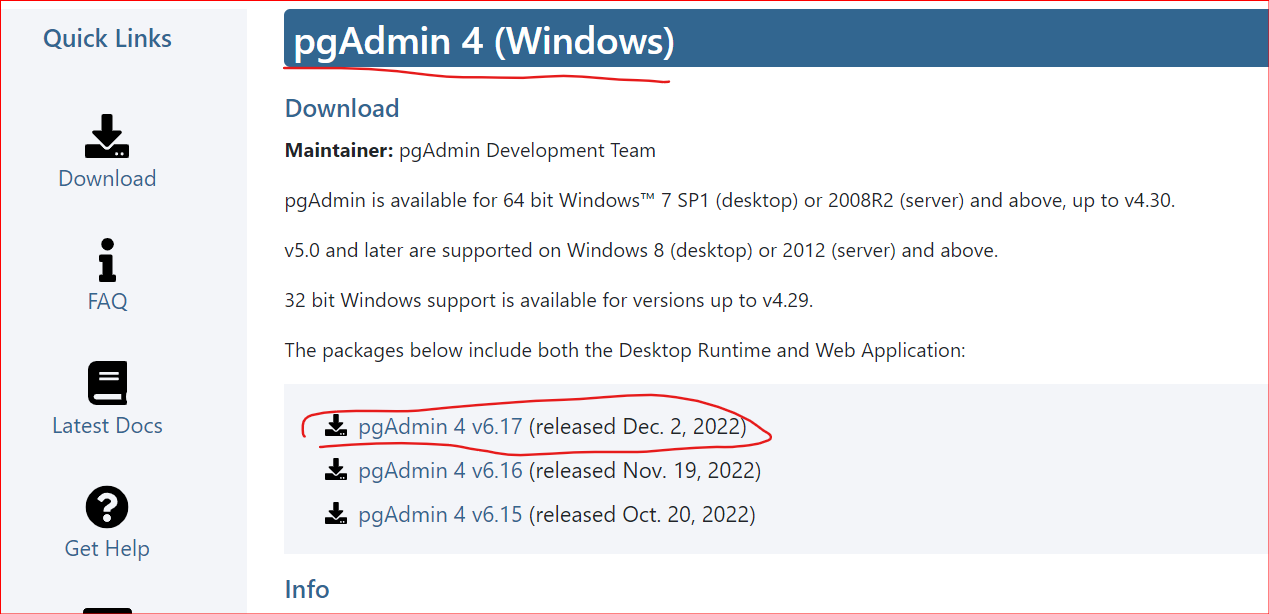


**INSTALLATION:**

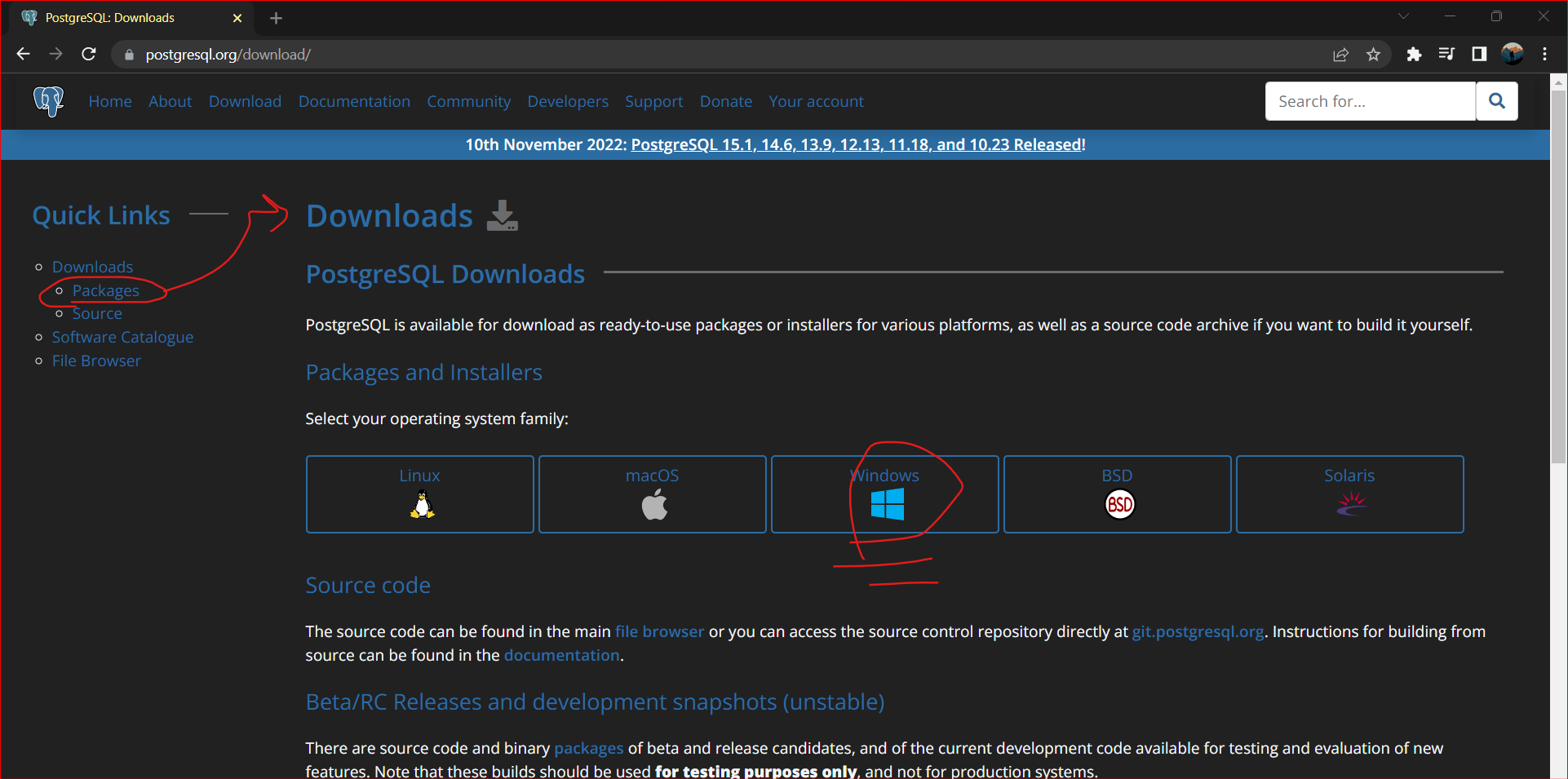
[**https://www.pgadmin.org/**](https://www.pgadmin.org/)

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[**https://www.pgadmin.org/download/pgadmin-4-windows/**](https://www.pgadmin.org/download/pgadmin-4-windows/)

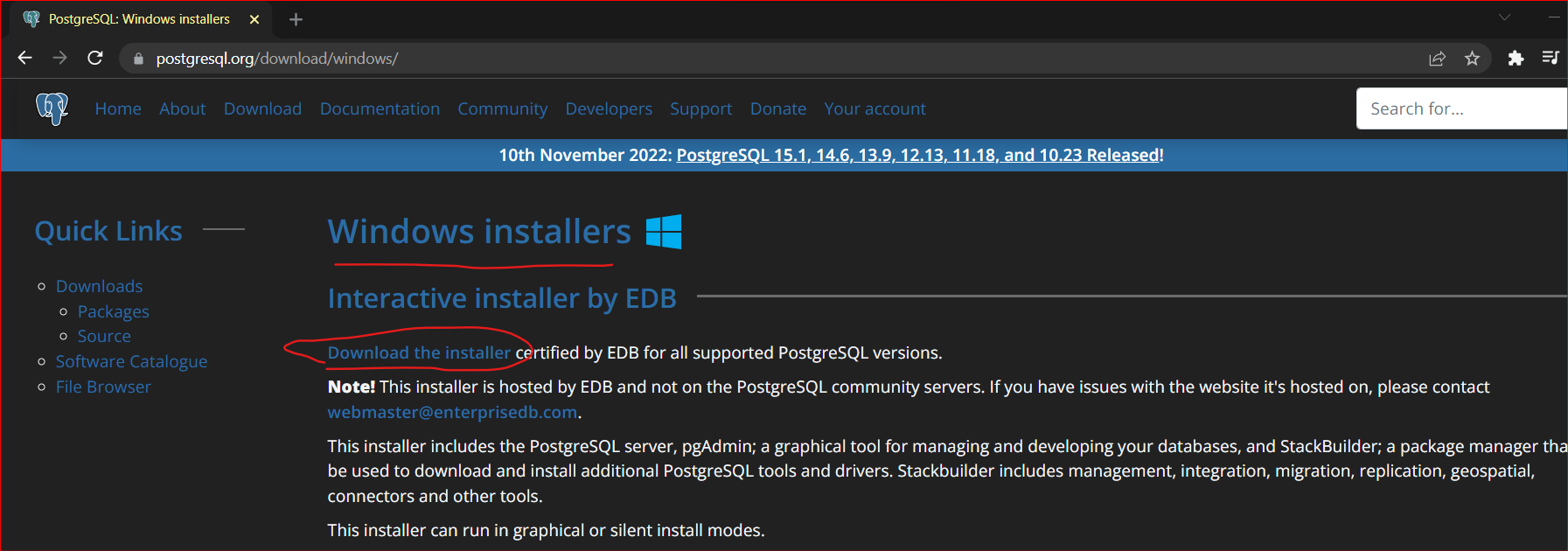
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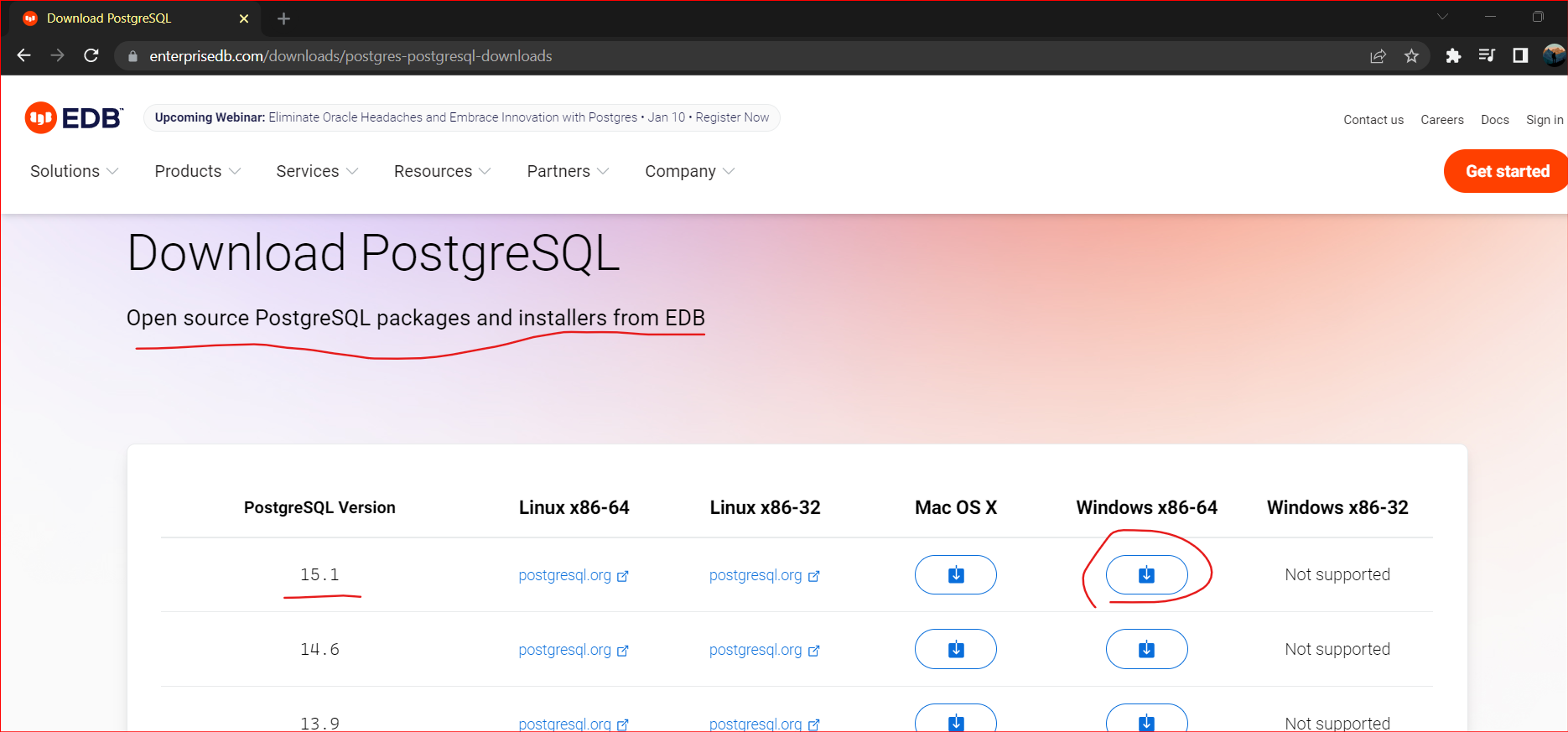
**Click on Packages on LHS:**

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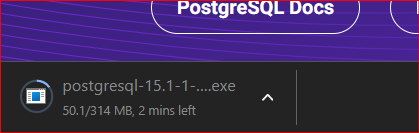
[**https://www.postgresql.org/download/windows/**](https://www.postgresql.org/download/windows/)

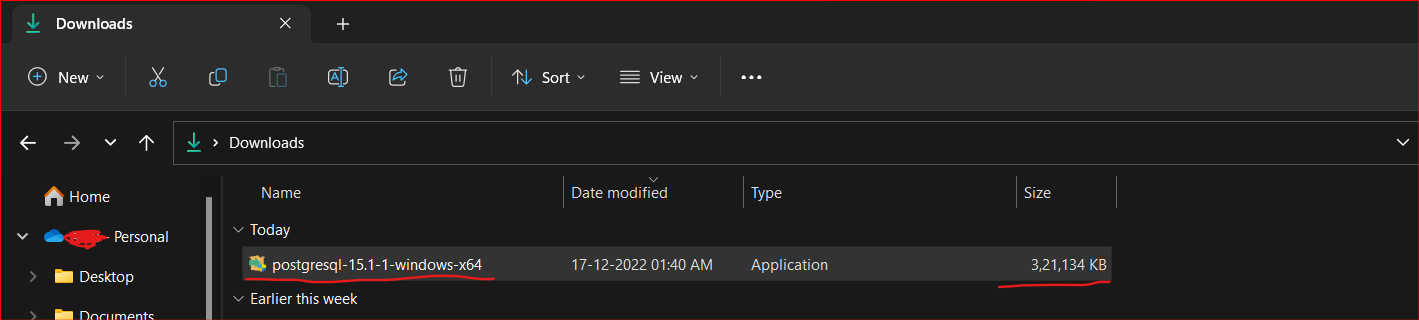
**Click on Download the installer**

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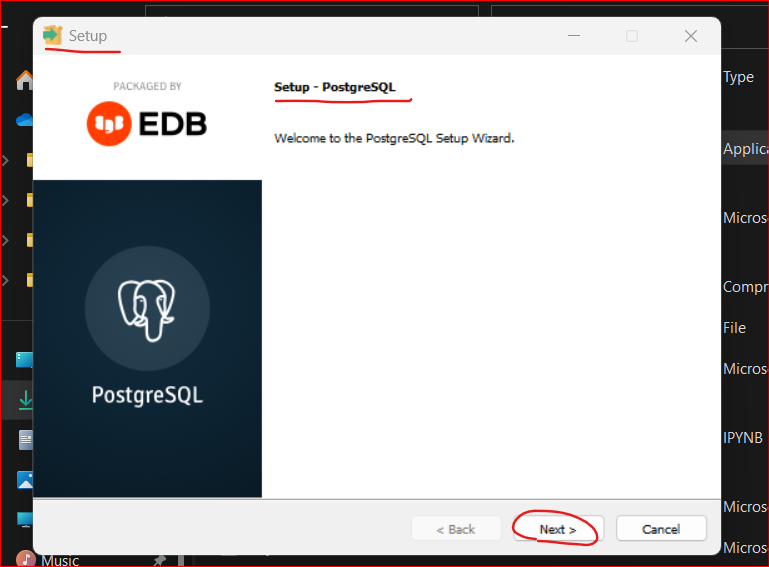
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**Size of the file: 314 MB**

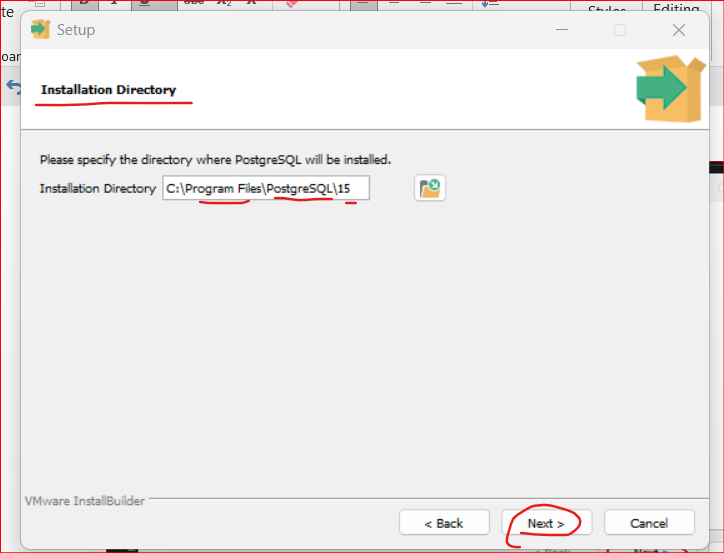
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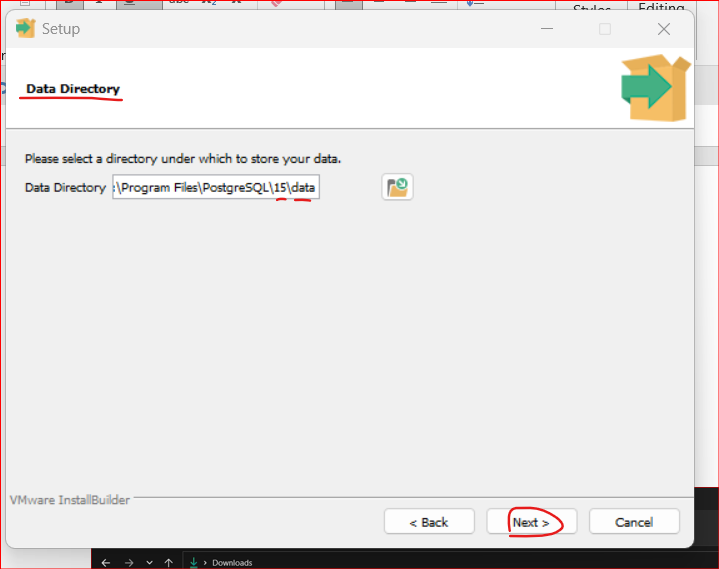
**Next**

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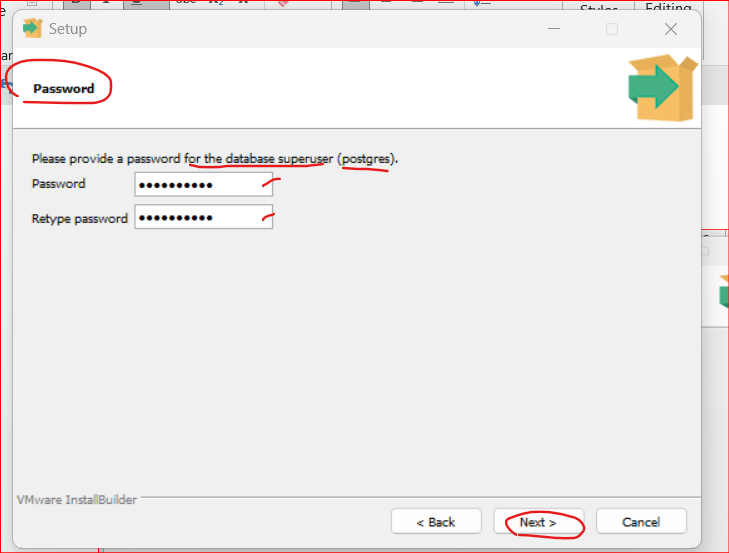
**Installation Directory -> Next**

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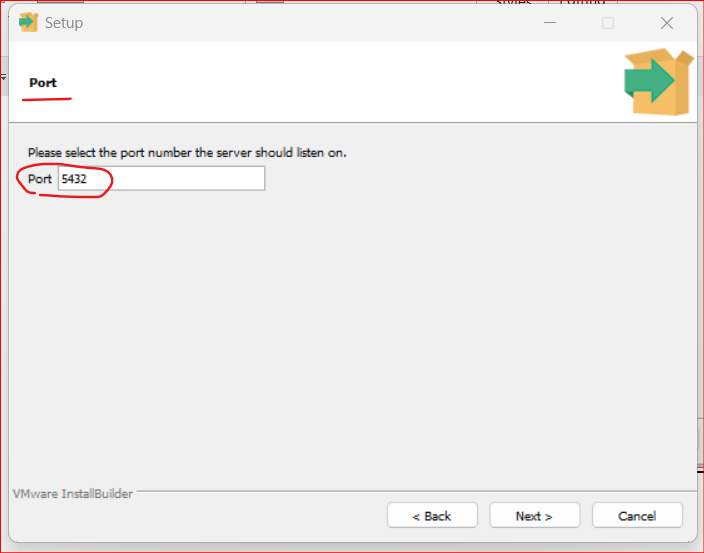
**Next:**

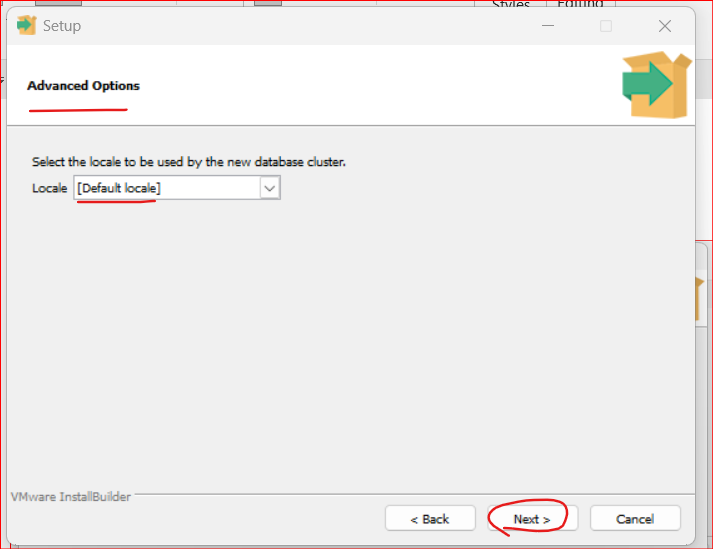
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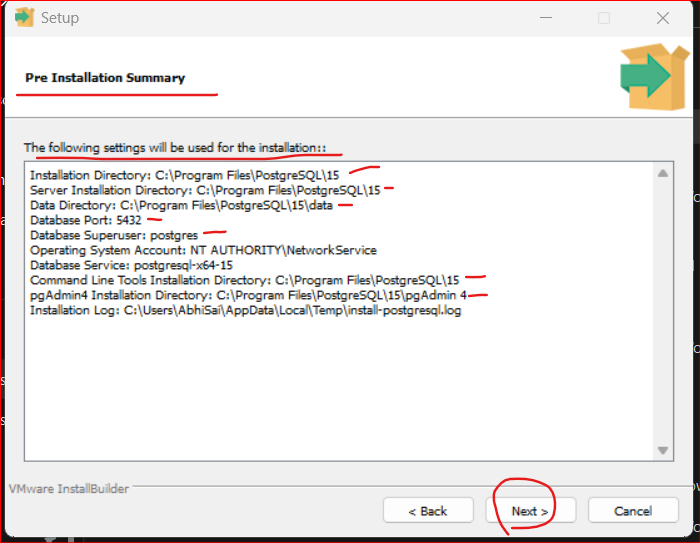
**Provide the Password: you\_set\_pwd**

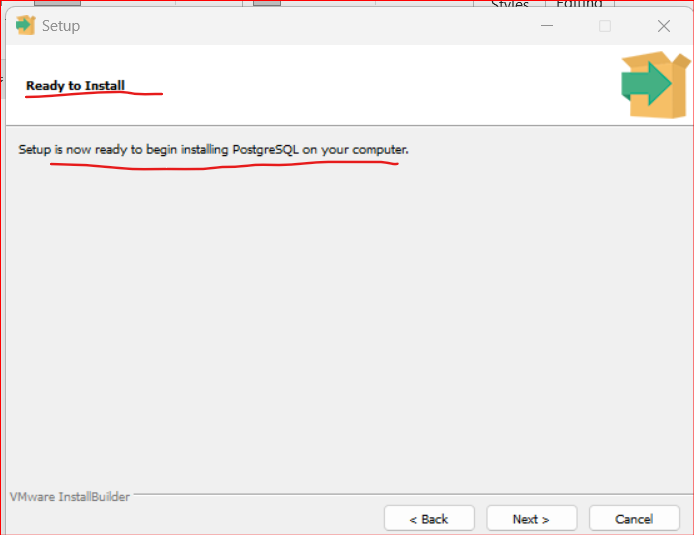
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**PORT is 5432**

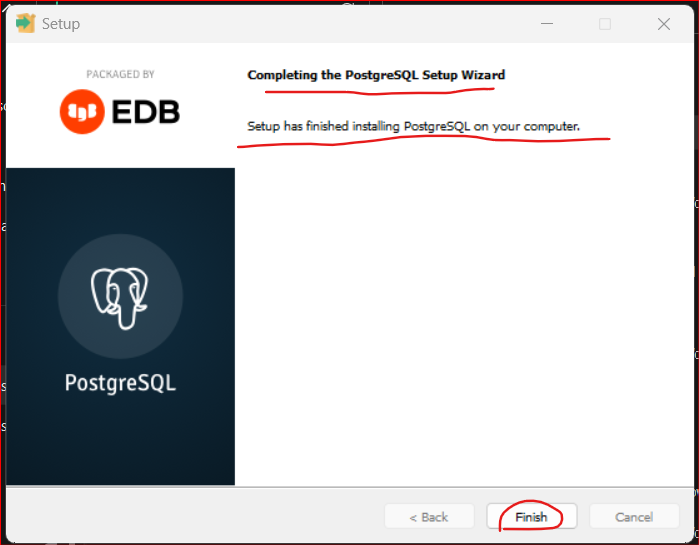
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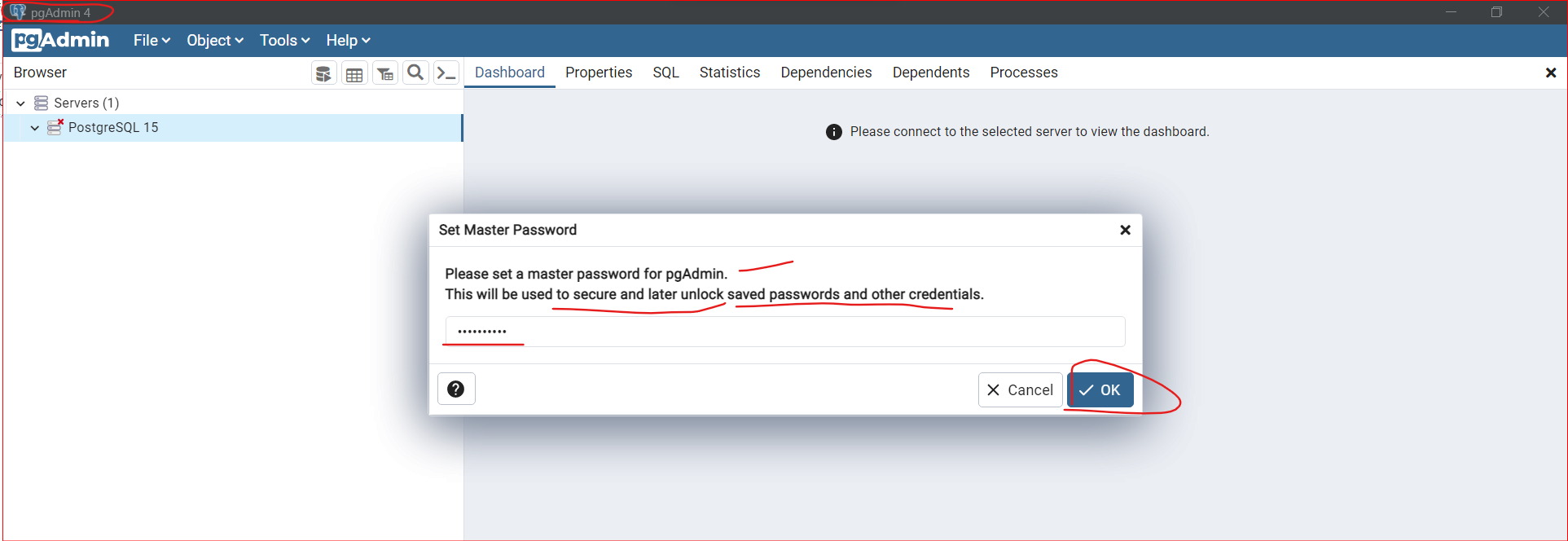
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**Installed Successfully:**

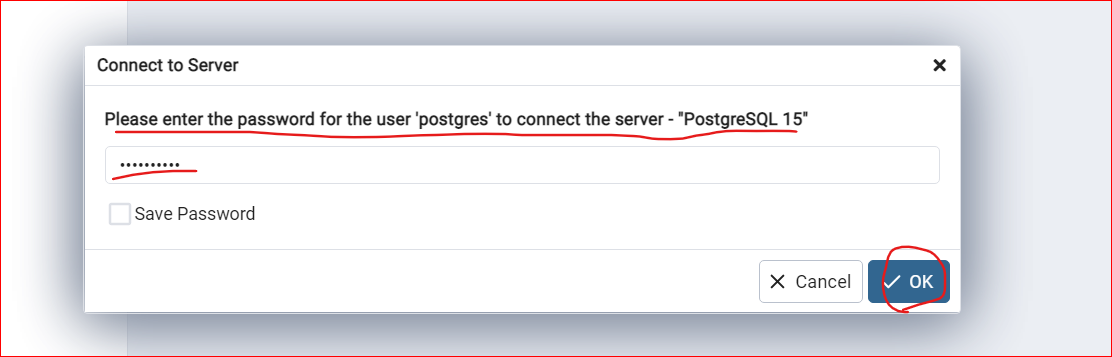
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**Open : pgadmin from START menu**

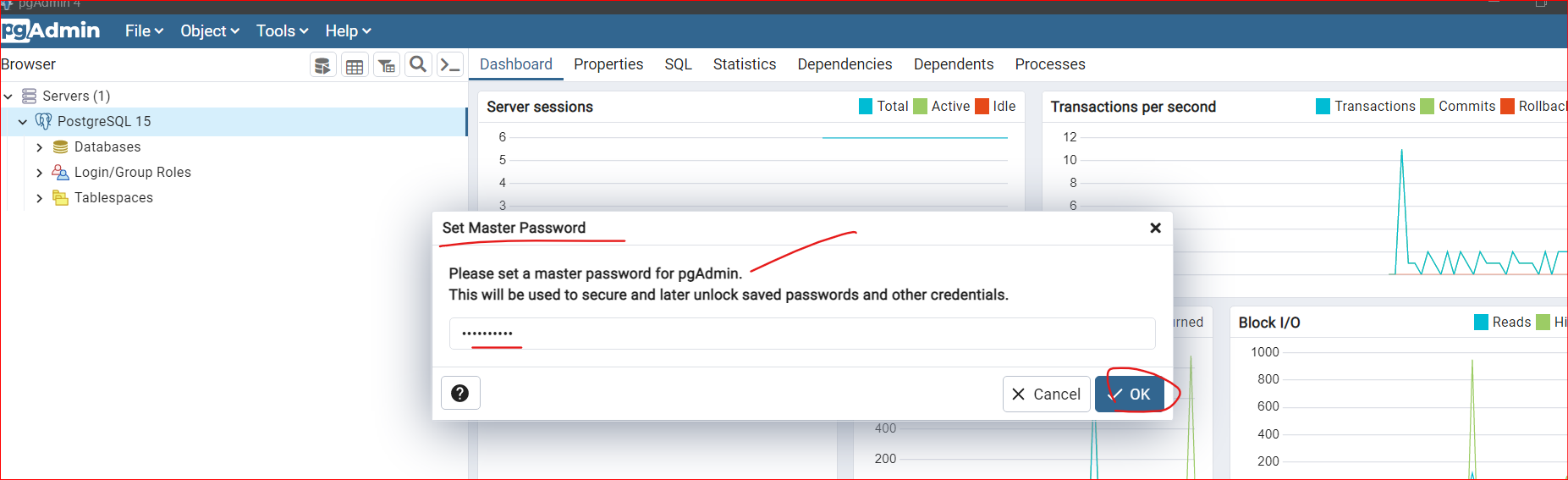
**It asked to set Master Password: give the pwd you set**

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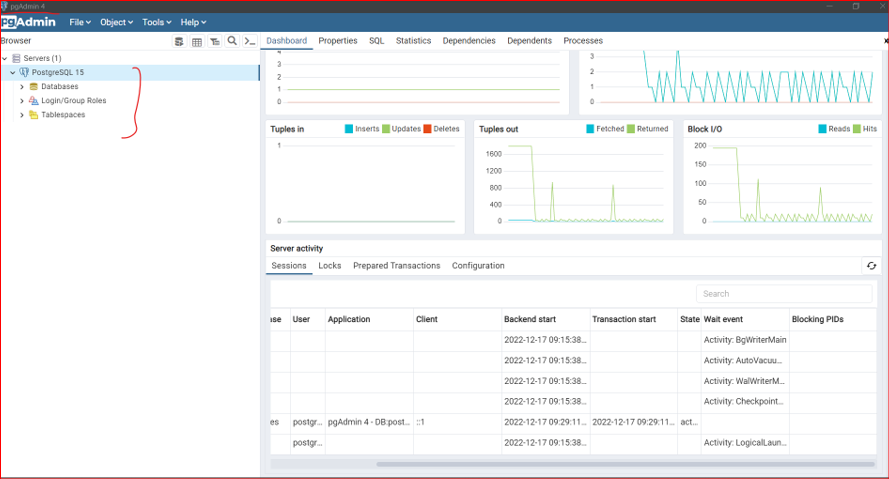
**Again it will ask to set pwd:**

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**Again for pgadmin password:**

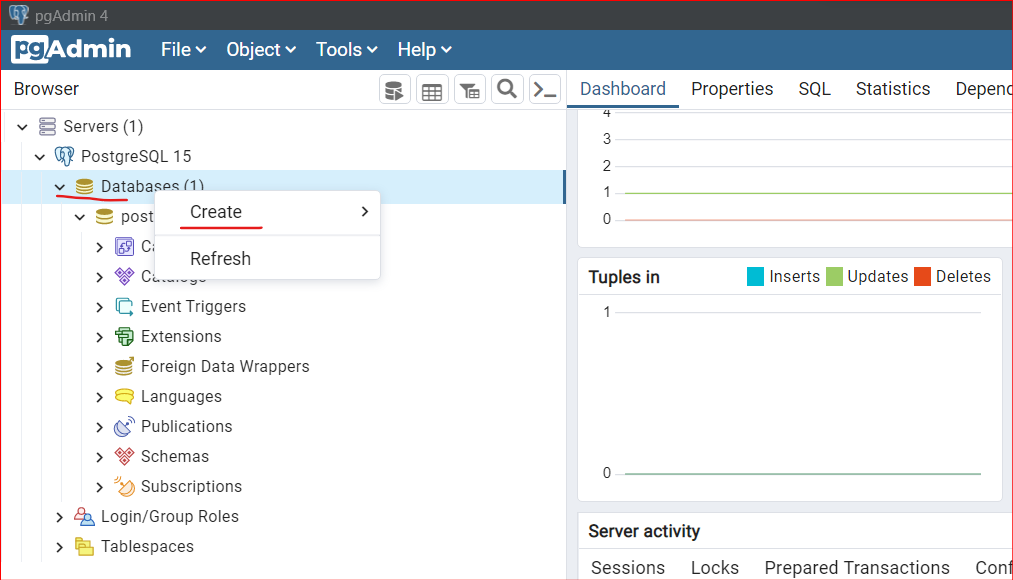
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**pgAdmin 4 interface:**

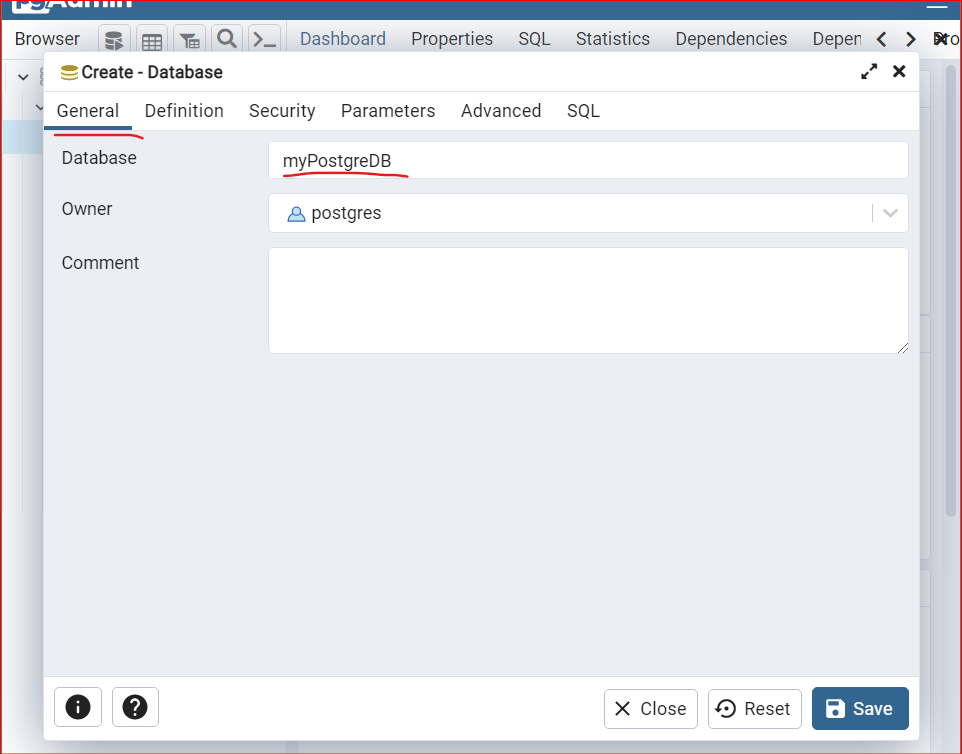
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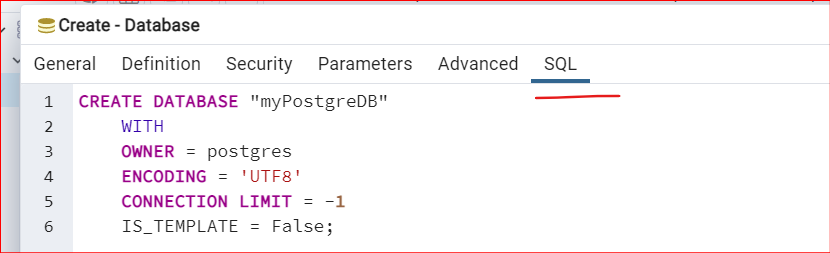
**pgAdmin Overview**

**Right Click and Create Database:**

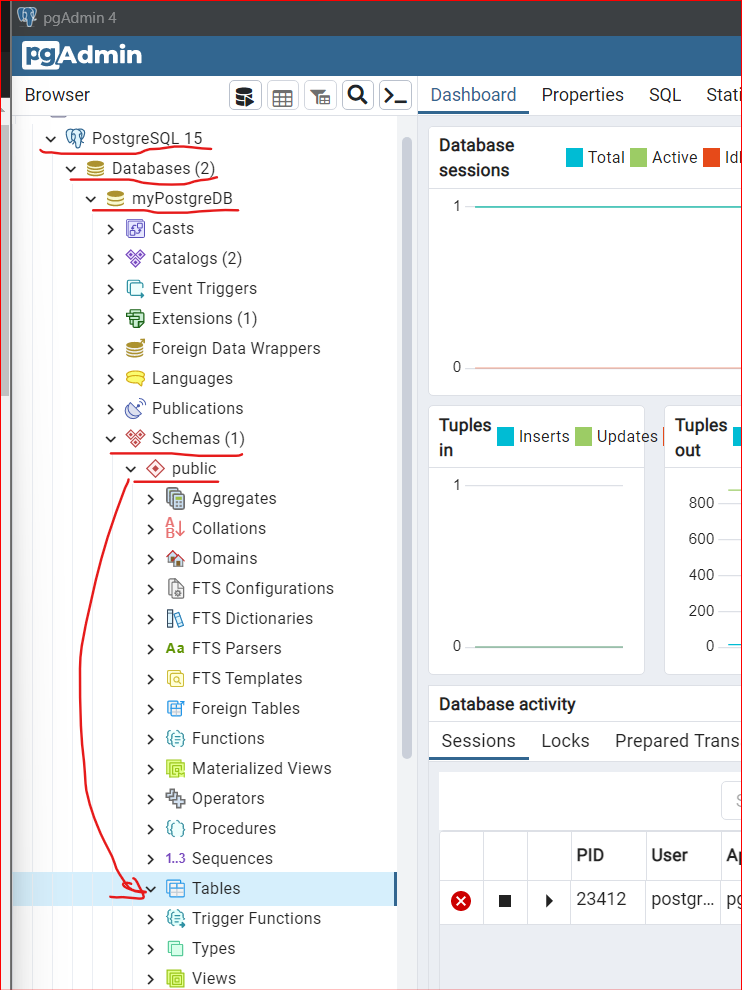
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**Named it as: myPostgreDB**

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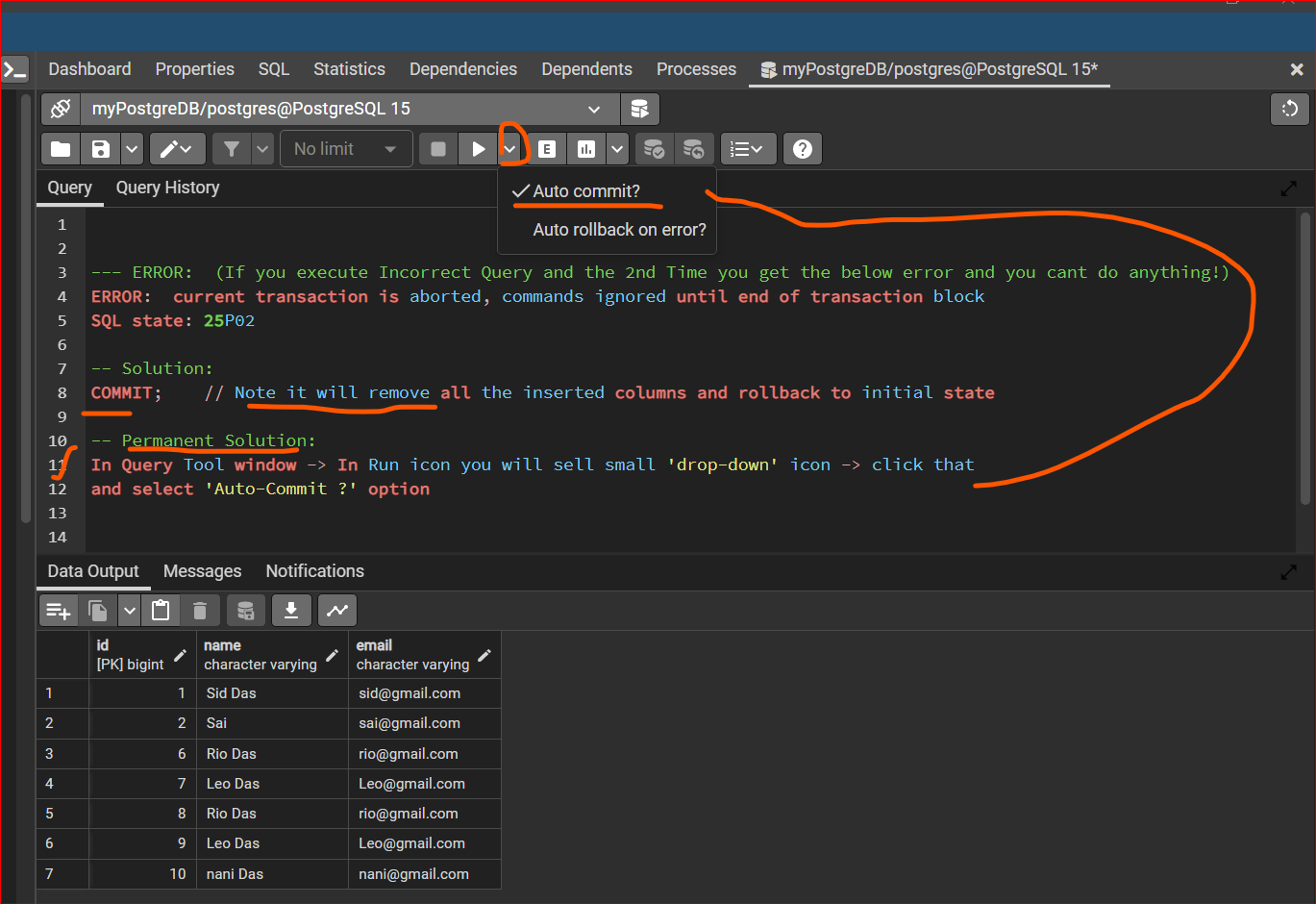
**SAVE it**

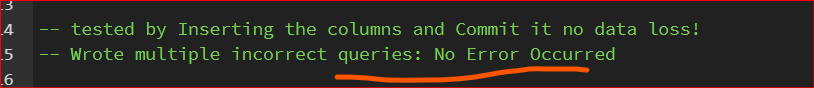
You know, databases are composed of tables and inside of the tables there are columns and inside of the columns there's actual data and we're going to get into all

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**ERROR : that will not execute you anything in one Session:**

* **And its solution below was to Turn ON Auto Commit**

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