

# Installation of PostgreSQL

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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# Learning Objectives

We will learn to install **PostgreSQL** on



# Learning Objectives

- We will learn to install **PostgreSQL** on
- **Ubuntu Linux OS**



# Learning Objectives

We will learn to install **PostgreSQL** on

- **Ubuntu Linux OS**
- **Windows OS**



# Learning Objectives

- **Connect to PostgreSQL database**



# Learning Objectives

- **Connect to PostgreSQL database**
- **Set password for the database**



# System Requirements



# System Requirements

- **Ubuntu Linux 14.04 OS**



# System Requirements

- **Ubuntu Linux 14.04 OS**
- **Windows 7 OS**



# System Requirements

- **Ubuntu Linux 14.04 OS**
- **Windows 7 OS**
- **a working Internet connection**



# Pre-requisites

- **Familiar with either of the mentioned operating system**



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- **Familiar with either of the mentioned operating system**
- **Working knowledge of any programming language**



# What is PostgreSQL?



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- **PostgreSQL** is a Relational Database Management Software



# What is PostgreSQL?

- **PostgreSQL** is a **Relational Database Management Software**
- It is a **powerful and most advanced open source database system**



# What is PostgreSQL?

- **PostgreSQL** is a Relational Database Management Software
- It is a powerful and most advanced open source database system
- It runs on various platforms such as Linux, Windows and Mac OS



# Connect to PostgreSQL database using psql



# Connect to PostgreSQL database using psql

- **psql** is an interactive terminal program provided by PostgreSQL



# Connect to PostgreSQL database using psql

- **psql** is an interactive terminal program provided by PostgreSQL
- Using psql tool, we can execute SQL statements, manage database objects etc.,



# Connect to PostgreSQL database using pgAdmin



# Connect to PostgreSQL database using pgAdmin

- **pgAdmin** is a GUI application



# Connect to PostgreSQL database using pgAdmin

- **pgAdmin** is a GUI application
- Interact with PostgreSQL database server through this user interface



# Connect to PostgreSQL database using pgAdmin

- **pgAdmin** is a GUI application
- Interact with PostgreSQL database server through this user interface
- Demonstration of all features using pgAdmin in this series



# PgAdmin Installation



# PgAdmin Installation

Install **PgAdmin** using anyone of the following methods:



# PgAdmin Installation

Install **PgAdmin** using anyone of the following methods:

- Go to **Ubuntu Software Centre** or **Synaptic Package manager**



# PgAdmin Installation

Install **PgAdmin** using anyone of the following methods:

- Go to **Ubuntu Software Centre** or **Synaptic Package manager**
- For more details, refer to the **Linux Spoken Tutorials** on <http://spoken-tutorial.org>



# PgAdmin Installation



# PgAdmin Installation

- Type on the terminal  
`sudo apt-get install pgadmin3`



# Summary

**In this tutorial we learnt to install PostgreSQL on**

- **Ubuntu Linux OS**
- **Windows OS**



# Assignment

- 1 **Connect to the server and list the default available database**
- 2 **Change to anyone of the available database**



# About the Spoken Tutorial Project

- Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- It summarises the Spoken Tutorial project
- If you do not have good bandwidth, you can download and watch it



# Spoken Tutorial Workshops

## The Spoken Tutorial Project Team

- Conducts workshops using spoken tutorials
- Gives certificates on passing online test
- For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)



# Forum for specific questions

- Do you have questions in THIS Spoken Tutorial?
- Please visit <http://forums.spoken-tutorial.org>
- Choose the minute and second where you have the question
- Explain your question briefly
- Someone from our team will answer them



# Forum for specific questions

- **The Spoken Tutorial forum is for specific questions on this tutorial**
- **Please do not post unrelated and general questions on them**
- **This will help reduce the clutter**
- **With less clutter, we can use these discussion as instructional material**



# Acknowledgements

- Spoken Tutorial Project is a part of the Talk to a Teacher project
- It is supported by the National Mission on Education through ICT, MHRD, Government of India
- More information on this Mission is available at

<http://spoken-tutorial.org/NMEICT-Intro>

