Table with Primary keys

Spoken Tutorial Project
http://spoken-tutorial.org
National Mission on Education through ICT
http://sakshat.ac.in

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Learning Objectives

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- **Importance of primary keys and**
- **Create a table with primary keys**

System Requirements

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- **pgAdmin 1.18**

Pre-requisites

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- **Working knowledge of any programming language**

Syntax: Insert

Insert - one row

- **Insert into table_name (column1, column2, ...) values (value1, value2, ...);**

Syntax: Insert

Insert - Multiple rows

- **Insert into table_name (column1, column2, ...) values (value1, value2, ...), (value1, value2, ...), ... ;**

Data redundancy

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- More information on Data redundancy is given in the **Additional material** link, of this tutorial

How to prevent duplication of data?

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- **We can do so by adding a primary key constraint to the table**

Primary key

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- **Primary key** is a column or a set of columns, that uniquely identifies each row in a table

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- **A primary key can be a single column or a set of columns**
- **The combination of values in these multiple columns must be unique**
- **It should not contain null values**

Drop Table

Syntax:

- **Drop table tablename;**

Summary

In this tutorial we have learnt about

- **Inserting data**
- **Retrieving data**
- **Data Redundancy**
- **Importance of primary keys**
- **Creating table with primary keys**

Assignment

1. Drop the **Emp** table which was created in an earlier assignment in this series
2. Create the **Emp** table with **empno** as primary key
3. Keep the other columns the same

Assignment

1. Insert few records into the **Emp** table

2. Retrieve the data and see the output

About the Spoken Tutorial Project

- Watch the video available at 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**

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**

Acknowledgements

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- **More information on this Mission is available at http://spoken-tutorial.org /NMEICT-Intro**