

Updating Data

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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6 October 2017



Learning Objectives

In this tutorial we will learn about



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- **Update statement**



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- **Delete statement**



System Requirements



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- **Ubuntu Linux 14.04 OS**



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- **PostgreSQL 9.3.x**



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- **pgAdmin 1.18**



Pre-requisites



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- **Basic understanding of SELECT statement**



Pre-requisites

- Basic understanding of **SELECT** statement
- For more details, refer to the **RDBMS-PostgreSQL** series on <http://www.spoken-tutorial.org>



UPDATE



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- **The update query is used to modify the existing records in a table**



UPDATE

- The update query is used to modify the existing records in a table
- Use the **WHERE** clause with the **UPDATE** statement to update the selected rows



Syntax: UPDATE



Syntax: UPDATE

```
UPDATE table-name  
SET column1= value1,  
column2= value2,  
....  
[WHERE condition]
```



Syntax: DELETE



Syntax: DELETE

DELETE FROM table-name
[WHERE condition]

- **WHERE** clause is used in the delete statement to delete specific rows which satisfy a particular condition



Syntax: DELETE

DELETE FROM table-name
[WHERE condition]

- All records will be deleted if no conditions are specified



Common SQL Statements



Common SQL Statements

- **INSERT**



Common SQL Statements

- **INSERT**
- **SELECT**



Common SQL Statements

- **INSERT**
- **SELECT**
- **DELETE**



Common SQL Statements

- **INSERT**
- **SELECT**
- **DELETE**
- **UPDATE**



DML Statements



DML Statements

- DML is short form of **Data Manipulation Language**



DML Statements

- DML is short form of **Data Manipulation Language**
- It includes commands that are used to manipulate data in a database



Summary

In this tutorial we have learnt about

- **Update statement**
- **Delete statement**



Assignment

- 1 For **studentid** 's013', modify the student name 'Sharmila' to 'Sharmila Babu' in the **students** table
- 2 Delete the students whose **cgpa** is less than 5



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

- **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>

