

# Updating Data

**Spoken Tutorial Project**

<http://spoken-tutorial.org>

**National Mission on Education through ICT**

<http://sakshat.ac.in>

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# Learning Objectives

**In this tutorial we will learn about**



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**In this tutorial we will learn about**

- **Update statement**



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- **Delete statement**



# System Requirements



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- **pgAdmin 1.18**





# Pre-requisites



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- **Basic understanding of SELECT statement**



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- 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



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- 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



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```
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](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





# 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>

