Formulae and Functions

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

Script: Spoken Tutorial Team
Video: Arvind Pillai
IIT Bombay

11 July 2020

Learning Objectives

In this tutorial, we will learn about:

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▶ Conditional Operators

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▶ Rounding off **numbers**

System Requirements

This tutorial is recorded using

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- **Ubuntu Linux OS version 18.04**

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- ▶ **Ubuntu Linux OS version 18.04**
- ▶ **LibreOffice Suite version 6.3.5**

Conditional Operators

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Conditional Operators

▶ **Earlier in the series, we learnt to use basic** `arithmetic operators` **and** `average function`

▶ **Now we shall learn about** `conditional operators`

Conditional Operators

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► **Check for the** `condition` **applied on the** `data` **by the user**

Conditional Operators

Conditional operators,

- ▶ **Check for the** `condition` **applied on the** `data` **by the user**
- ▶ **Show results in** `boolean`: `TRUE` **or** `FALSE`

Code Files

▶ **This file has been provided to you in the** `Code files` **link on this tutorial page**

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- **This file has been provided to you in the** `Code files` **link on this tutorial page**

- **Please download and extract the file**

Code Files

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- **Make its copy and use it for practising**

Other Conditions

Other conditions to test:

- ▶ **= Equal to**
- ▶ **< > Not equal to**

If and Or Condition

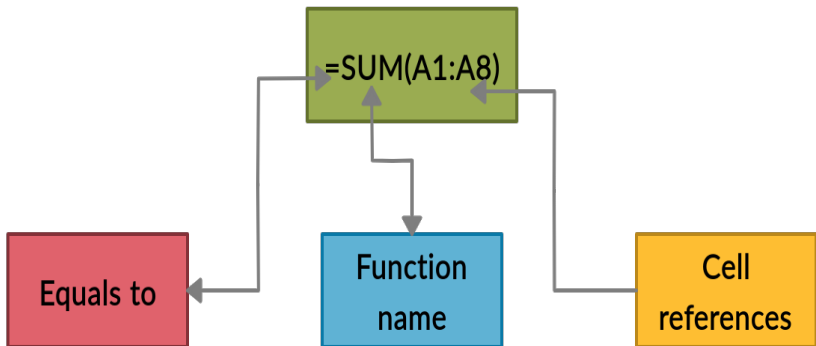- **We can also use the** If **and** Or condition **on our** data

If and Or Condition

- **We can also use the** `If` **and** `Or` `condition` **on our** `data`
- **To print the results according to the** `condition` **that holds** `TRUE`

Syntax

=SUM(A1:A8)

Equals to

Function name

Cell references

Arithmetic Functions

Common basic `functions` **include**

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▶ SUM **for addition**

Arithmetic Functions

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▶ `SUM` **for addition**

▶ `PRODUCT` **for multiplication**

Arithmetic Functions

Common basic `functions` **include**

- ▶ `SUM` **for addition**
- ▶ `PRODUCT` **for multiplication**
- ▶ `QUOTIENT` **for division**

Statistic Functions

▶ Statistical functions **are useful for analysis of** data **in** spreadsheets

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▶ Statistical functions **are useful for analysis of** data **in** spreadsheets

▶ **For example,** statistical functions **like** COUNT, MIN, MAX, MEDIAN, MODE

Summary

In this tutorial, we learnt about:

▶ Conditional Operators

▶ If..Or **statement**

▶ **Basic** statistical functions

▶ Rounding off **numbers**

Assignment

▶ **Open** `Spreadsheet-Practice.ods`

▶ **With the** `salary` **data try out** `MIN`, `MAX` **and** `MEDIAN` **functions**

▶ **Try** `round off function` **with the same** `salary data`

▶ **Undo the changes at the end**

About Spoken Tutorial project

▶ Watch the video available at
   https://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 to those who pass an online test**

- ▶ **For more details, please write to contact@spoken-tutorial.org**

Answers for THIS Spoken Tutorial

- ▶ **Questions in THIS Spoken Tutorial?**

- ▶ **Visit**
  https://forums.spoken-tutorial.org

- ▶ **Choose the minute and second where you have the question**

- ▶ **Explain your question briefly**

- ▶ **The Spoken Tutorial project will ensure an answer**

You will have to register to ask questions

Acknowledgements

- **Spoken Tutorial project is funded by MHRD, Govt. of India**

Thank you

- **This tutorial was originally contributed by DesiCrew Solutions Pvt.Ltd. in 2011**
- **www.desicrew.in**
- **Thanks for joining**