

Matrices and Aligning Equations

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Learning Objectives



Learning Objectives

We will learn how to:



Learning Objectives

We will learn how to:

- ▶ **Write** a matrix



Learning Objectives

We will learn how to:

- ▶ **Write** a matrix
- ▶ **Format the** matrices



Learning Objectives

We will learn how to:

- ▶ **Write** a matrix
- ▶ **Format** the matrices
- ▶ **Align** the equations



System Requirements



System Requirements

This tutorial is recorded using:



System Requirements

This tutorial is recorded using:

► **Ubuntu Linux OS version 18.04**



System Requirements

This tutorial is recorded using:

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



Prerequisites



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- ▶ **Learner should be familiar with Math interface**



Prerequisites

- ▶ Learner should be familiar with Math interface
- ▶ If not please access the relevant tutorials on this website
<https://spoken-tutorial.org>



Code Files

- ▶ **The files used in this tutorial are provided in the Code files link**



Code Files

- ▶ The files used in this tutorial are provided in the Code files link
- ▶ Please download and extract the files



Code Files

- ▶ The files used in this tutorial are provided in the `Code files` link
- ▶ Please download and extract the files
- ▶ Make a copy and use them for practising



Matrix



Matrix

- ▶ **Matrix is a rectangular array of numbers or symbols, called elements**



Matrix

- ▶ **Matrix is a rectangular array of numbers or symbols, called elements**
- ▶ **Math has a separate markup to represent a matrix**



Assignment



Assignment

- ▶ **Open** Math-assignment.odt **file**
- ▶ **Write steps to multiply**
a 2×3 matrix by a 3×1 matrix
- ▶ **Use formatting options to change**
the fonts, font sizes and
spacing



Summary

We have learnt how to:

- ▶ **Write** a matrix
- ▶ **Format** the matrices
- ▶ **Align** the equations



Assignment



Assignment

- ▶ **Open Math-assignment.odt file**
- ▶ **Write a set of three equations**
- ▶ **Align the equations at the plus or minus signs and equal to character**



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 the Ministry of Education, Govt. of India**



About the contributor

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

