

# Creating a 2D Graphical Plot

**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

- **Open a Grace Project**



# Learning Objectives

- **Open a Grace Project**
- **Change the line style and width**



# Learning Objectives

- **Open a Grace Project**
- **Change the line style and width**
- **Change symbol properties**



# Learning Objectives

- Open a Grace Project
- Change the line style and width
- Change symbol properties
- Change the color of the line



# Learning Objectives

- **Open a Grace Project**
- **Change the line style and width**
- **Change symbol properties**
- **Change the color of the line**
- **Adjust global limits**



# Learning Objectives

- Open a Grace Project
- Change the line style and width
- Change symbol properties
- Change the color of the line
- Adjust global limits
- Change axis ticks and draw grid





# Learning Objectives

- Open a Grace Project
- Change the line style and width
- Change symbol properties
- Change the color of the line
- Adjust global limits
- Change axis ticks and draw grid
- Add title to the plot



# System Requirements



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- **Ubuntu Linux 16.04 OS**



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- **Grace v 5.1.25**



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- **Gedit 3.18.3**



# Pre-requisites



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- **Learners should be familiar with the Grace interface**



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- Learners should be familiar with the Grace interface
- For the pre-requisite tutorials, please visit this website  
<https://spoken-tutorial.org>





# Summary



# Summary

- **Opened a Grace Project**
- **Changed graph properties like line style, width and color**
- **Changed properties of symbols**
- **Adjusted global limits**
- **Adjusted axis tick marks and grid**
- **Added title to the plot**



# Assignment



# Assignment

- **Generate XY data set to draw a parabola**
- **Use integer values between -8 to +8 and plot a graph in Grace**
- **Change color, add title and symbol**



# About the Spoken Tutorial Project

- Watch the video available at [https://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](https://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- It summarises the Spoken Tutorial project



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- 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](mailto:contact@spoken-tutorial.org)



# Forum for Specific Questions

- Do you have questions in THIS Spoken Tutorial?
- Please visit <https://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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- It is supported by the National Mission on Education through ICT, MHRD, Government of India
- More information on this Mission is available at

<https://spoken-tutorial.org/NMEICT-Intro>

