

# Special Commands in KTurtle

**Talk to a Teacher**

**<http://spoken-tutorial.org>**

**National Mission on Education through ICT**

**<http://sakshat.ac.in>**

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# Learning Objectives



# Learning Objectives

**We will learn about**



# Learning Objectives

**We will learn about**

- ▶ **“learn”** command



# Learning Objectives

We will learn about

- ▶ “learn” command
- ▶ “random” command



# System Requirement



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- **Ubuntu Linux OS v 12.04**



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- ▶ **Ubuntu Linux OS v 12.04**
- ▶ **KTurtle v 0.8.1 beta**





# Pre-requisites



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- **Basic working knowledge of KTurtle**



# Pre-requisites

- ▶ **Basic working knowledge of KTurtle**
- ▶ **for relevant tutorials, please visit our website**  
<http://spoken-tutorial.org>



# “learn” Command



# “learn” Command

**“learn”** is a special command



# “learn” Command

**“learn”** is a special command

- **To create your own commands**



# “learn” Command

**“learn”** is a special command

- ▶ To **create your own** commands
- ▶ Takes **input** and returns **output**



# “random” Command





# “random” Command

- Takes **input** and returns **output**



# “random” Command

- ▶ Takes **input** and returns **output**
- ▶ Syntax is “**random X,Y**” where **X** and **Y** are two inputs



# “random” Command

- ▶ Takes **input** and returns **output**
- ▶ Syntax is “**random X,Y**” where X and Y are two inputs
- ▶ X sets **minimum output** and Y sets **maximum output**



# “random” Command

- ▶ Takes **input** and returns **output**
- ▶ Syntax is **“random X,Y”** where X and Y are two inputs
- ▶ X sets **minimum output** and Y sets **maximum output**
- ▶ Output is **randomly chosen number** between X and Y



# Summary



# Summary

**We have learnt about**



# Summary

**We have learnt about**

- ▶ **“learn”** command



# Summary

We have learnt about

- ▶ “learn” command
- ▶ “random” command





# Assignment



# Assignment

Using “learn” command, draw a



# Assignment

Using “learn” command, draw a

- **Pentagon**



# Assignment

Using “learn” command, draw a

- ▶ **Pentagon**
- ▶ **Square**



# Assignment

Using “learn” command, draw a

- ▶ **Pentagon**
- ▶ **Square**
- ▶ **Rectangle**



Talk to a Teacher

# Assignment

Using “learn” command, draw a

- ▶ **Pentagon**
- ▶ **Square**
- ▶ **Rectangle**
- ▶ **Hexagon at the corners**



Talk to a Teacher

# Assignment

Using “learn” command, draw a

- ▶ **Pentagon**
- ▶ **Square**
- ▶ **Rectangle**
- ▶ **Hexagon at the corners**
- ▶ **Circle at the centre**



# Assignment





# Assignment

**Using “random” command,**



# Assignment

**Using “random” command,**

- ▶ **Create various colors**



# Assignment

**Using “random” command,**

- ▶ **Create various colors**
- ▶ **Customize geometric shapes and canvas**



# 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



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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)



# 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>**

