

Introduction To KTurtle

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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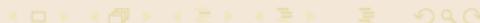


Learning Objectives



Learning Objectives

We will learn about



Learning Objectives

We will learn about

- ▶ **KTurtle Window**



Learning Objectives

We will learn about

- ▶ **KTurtle Window**
- ▶ **Editor**



Learning Objectives

We will learn about

- ▶ **KTurtle Window**
- ▶ **Editor**
- ▶ **Canvas**



Learning Objectives

We will learn about

- ▶ **KTurtle Window**
- ▶ **Editor**
- ▶ **Canvas**
- ▶ **Menu Bar**



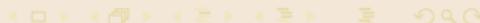
Learning Objectives

We will learn about

- ▶ **KTurtle Window**
- ▶ **Editor**
- ▶ **Canvas**
- ▶ **Menu Bar**
- ▶ **Toolbar**

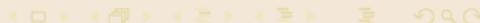


Learning Objectives



Learning Objectives

We will also learn about



Learning Objectives

We will also learn about

- ▶ **Moving the Turtle**



Learning Objectives

We will also learn about

- ▶ Moving the **Turtle**
- ▶ Drawing **lines and changing directions**



Learning Objectives

We will also learn about

- ▶ Moving the **Turtle**
- ▶ Drawing **lines and changing directions**
- ▶ Draw a **triangle**



System Requirement



System Requirement

- ▶ **Ubuntu Linux OS v 12.04**



System Requirement

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



What is KTurtle?



What is KTurtle?

- ▶ **KTurtle is a free tool to learn basic programming**



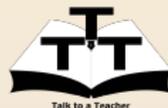
What is K Turtle?

- ▶ K Turtle is a **free tool** to learn basic programming
- ▶ Useful for **computer aided interactive learning**

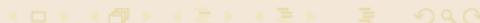


What is KTurtle?

- ▶ KTurtle is a **free tool** to learn basic programming
- ▶ Useful for **computer aided interactive learning**
- ▶ KTurtle is available for download at <http://edu.kde.org/kturtle/>



Utilities Of KTurtle



Utilities Of KTurtle

KTurtle



Utilities Of KTurtle

KTurtle

- ▶ Makes programming **easy and accessible**



Utilities Of KTurtle

KTurtle

- ▶ Makes programming **easy and accessible**
- ▶ Helps teach kids **basics of mathematics**



Utilities Of KTurtle

KTurtle

- ▶ Makes programming **easy and accessible**
- ▶ Helps teach kids **basics of mathematics**
- ▶ **Translates commands** to speaking language of the programmer



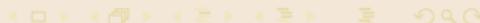
Utilities Of KTurtle

KTurtle

- ▶ Makes programming **easy and accessible**
- ▶ Helps teach kids **basics of mathematics**
- ▶ **Translates commands** to speaking language of the programmer
- ▶ **Translates commands into visuals**

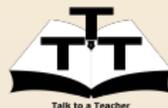


Install KTurtle



Install KTurtle

- ▶ Install KTurtle using **Synaptic Package Manager**



Install KTurtle

- ▶ **Install KTurtle using Synaptic Package Manager**
- ▶ **for more information on Synaptic Package Manager**



Install KTurtle

- ▶ Install KTurtle using **Synaptic Package Manager**
- ▶ for more information on **Synaptic Package Manager**
- ▶ please refer to **Ubuntu Linux tutorials** on our website
<http://spoken-tutorial.org>



Summary



Summary

We have learnt about



Summary

We have learnt about

- ▶ K Turtle's **editor, canvas, menubar** and **toolbar**



Summary

We have learnt about

- ▶ K Turtle's **editor, canvas, menubar** and **toolbar**
- ▶ Move Turtle



Summary

We have learnt about

- ▶ **KTurtle's editor, canvas, menubar and toolbar**
- ▶ **Move Turtle**
- ▶ **Draw lines and change directions**



Summary

We have learnt about

- ▶ **KTurtle's editor, canvas, menubar and toolbar**
- ▶ **Move Turtle**
- ▶ **Draw lines and change directions**
- ▶ **Draw a triangle**



Assignment



Assignment

Draw a square using the commands



Assignment

Draw a square using the commands

- ▶ **forward, backward, turnleft, turnright and repeat**



Assignment

Draw a square using the commands

- ▶ **forward, backward, turnleft, turnright and repeat**
- ▶ **Set background color, penwidth and pencolor**



Assignment

Draw a square using the commands

- ▶ **forward, backward, turnleft, turnright and repeat**
- ▶ **Set background color, penwidth and pencolor**
- ▶ **Change values in the “RGB” combination**



About the Spoken Tutorial Project

- ▶ Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- ▶ It summarises the Spoken Tutorial project



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- ▶ 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



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>**

