

## The Spoken Tutorial project

- \*Self explanatory - uses simple language
- \*Audio-video - uses multisensory approach
- \*Small duration - has better retention
- \*Learner-centered - learn at your own pace
- \*Learning by doing - learn and practice simultaneously
- \*Empowerment - learn a new FOSS

## Target Group

- \*Students-High School and College
- \*Working professional-Software users, developers and trainers
- \*Research scholars
- \*Community at large

## Workshops

The Spoken Tutorial Projects Team conducts workshops on KTurtle and other FOSS using Spoken tutorials and gives certificates to those who pass an online test.

**For more details, please write to**  
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## Contact us

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- KTurtle is a GUI based programming environment for beginners that aims to make learning how to program as easy as possible. makes basic programming tools available through the user interface.

- KTurtle is suitable for teaching kids basics of math and Programming. KTurtle is an educational programming environment for turtle graphics.

- KTurtle is available under the open source GNU General Public License and is part of the KDE SC 4.

- KTurtle environment has editor, canvas inspector and other window based tools.

### Advantages of KTurtle

- KTurtle has some nice features that make starting to program a breeze.

- It has a simple to use, yet powerful interface that is easy to personalize.

- It is a self sufficient tool for programming.

- Uses simple programming terminology

- The execution speeds can be changed, at any time.

- A powerful editor features syntax highlighting, line numbering, error markers, visual execution and more.

- The canvas, where the turtle draws, can be printed or saved either as an image (PNG) or a drawing (SVG) format.

- You can access help wherever you need it. press F2 to get help on the piece of code currently under your cursor.

- An error dialog that links the error messages to the mistakes in the program and marks them red.

- Integrated example programs to make it easy to get started. These examples are translated using KDE translation framework.

- TurtleScript supports user defined functions, recursion and dynamic type.

### More details About KTurtle

KTurtle is a programming environment for the KDE Desktop.

KTurtle is best suited for beginners.

specially for learning basics of math, geometry and programming.

The programming language used in KTurtle is loosely based on Logo.

KTurtle can be used to draw figures & diagrams.

KTurtle allows the commands, documentation and error messages to be translated into the language of the programmer.

KTurtle has versatile tools and features for drawing various geometrical figures.

KTurtle has its own editor in main window to write programs and execute them.

Programming commands are simple and easy to understand.

Program execution speed can be controlled in different speed levels like fullspeed, slow, slower and step by step for code execution Syntax is highlighted in program execution.

It is a free and open source software.

Commands can be visualized on the canvas. Figures can be drawn on the canvas using commands.

