Performing LED blinking experiment on Arduino using Arduino IDE, Scilab and Xcos

Talk To a Teacher
http://sakshat.ac.in
National Mission on Education through ICT
http://spoken-tutorial.org

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Objectives

In this tutorial we will learn to:

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Software requirements

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- **I am using Windows-8 64 bit OS**

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Scilab

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- **Watch Scilab installation spoken tutorial available at spoken-tutorial.org**
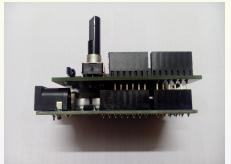
Prerequisites

- **Need of Origin folder**

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- **Save it on desktop**

Arduino with shield

- **Scilab by default cannot communicate with arduino**

Scilab-Arduino toolbox

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- **Functionality provided using scilab-arduino toolbox**

Scilab-Arduino toolbox

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- **Functionality provided using scilab-arduino toolbox**
- **Toolbox available for both windows and linux**

Scilab-Arduino toolbox Contd...

- **Toolbox located at Origin/tool/windows or Origin/tools/linux**

- **Toolbox located at Origin/tool/windows or Origin/tools/linux**
- **Requires a dedicated firmware to work with arduino**

Scilab-Arduino toolbox Contd...

- **Toolbox located at Origin/tool/windows or Origin/tools/linux**

- **Requires a dedicated firmware to work with arduino**

- **Firmware located at Origin/tools/arduino-firmware**

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- **Watch the video available at http://spoken-tutorial.org /What_is_a_Spoken_Tutorial**
- **It summarises the Spoken Tutorial project**
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The Spoken Tutorial Project Team

- **Conducts workshops using spoken tutorials**
- **Gives certificates to those who pass an online test**

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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:**
  http://spoken-tutorial.org /NMEICT-Intro