Lighting an LED on Shield from the Arduino IDE

Spoken Tutorial Project http://spoken-tutorial.org

National Mission on Education through ICT http://sakshat.ac.in

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Learning Objectives

We will learn to

- Connect an Arduino Uno board to a computer
- Identify the port number
- Load the firmware on to the Arduino Uno board
- Turn the LED on using Arduino IDE





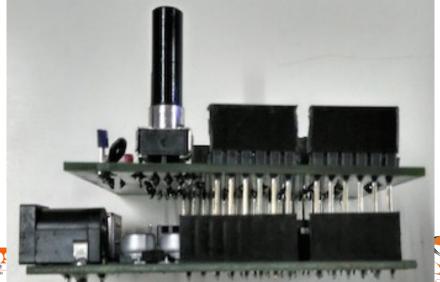
System Requirements

- Windows 8. 64bit
- Arduino IDE 1.6.5
- Arduino Uno board
- Shield





Connecting Shield to Uno





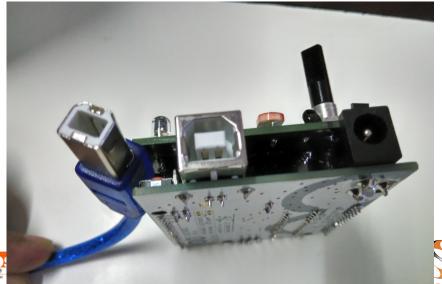
Two ends of USB cable







Connecting USB cable with Uno





Shield's Blue LED is on







Summary

- Connected an Arduino Uno board to a computer
- Identified the port number
- Loaded the firmware on to the Arduino Uno board
- Turned on the blue LED on the shield





Assignment 1

- Turn the green led on by putting 1 on pin 10
- Turn the red led on by putting 1 on pin
 11





Assignment 2: From book

- We have a written a Scilab-Arduino control book
- It is published by Shroff Publishers, Mumbai
- An e-copy is available for free download from fossee.in
- Carry out the other LED lighting
 experiments explained in the book



About the Spoken Tutorial Project

- Watch the video available at http://spoken-tutorial.org /What_is_a_Spoken_Tutorial
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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





Forum to answer questions

- Do you have questions in THIS Spoken Tutorial?
- Choose the minute and second where you have the question.
- Explain your question briefly.
- Someone from the FOSSEE team will answer them.

Please visit http://forums.spoken-tutorial.org/





Textbook Companion Project

- The FOSSEE team coordinates coding of solved examples of popular books
- We give honorarium and certificate to those who do this

For more details, please visit this site: http://fossee.in





Lab Migration Project

- The FOSSEE team helps migrate commercial simulator labs to DWSIM
- We give honorarium and certificates to those who do this

For more details, please visit this site:

http://fossee.in





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- More information on this mission is available at

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



Thanks!



