

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

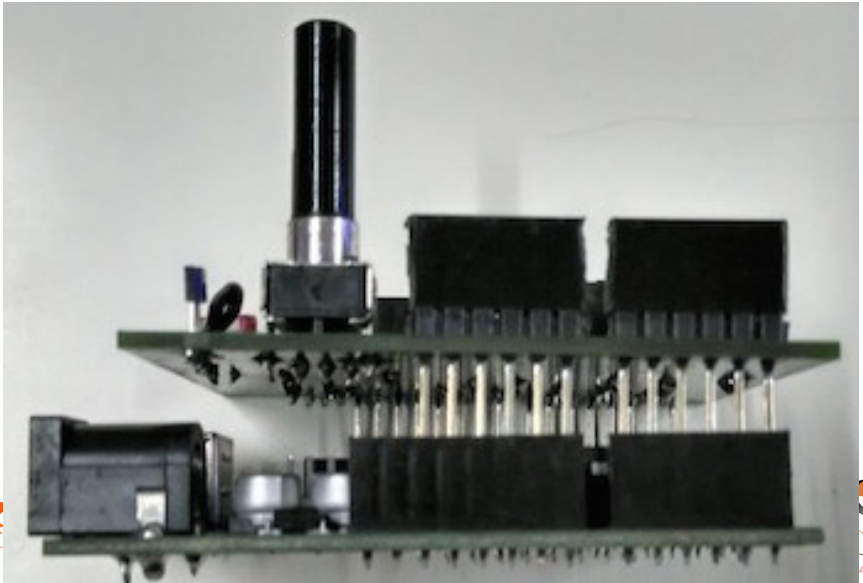


System Requirements

- **Windows 8, 64bit**
- **Arduino IDE 1.6.5**
- **Arduino Uno board**
- **Shield**



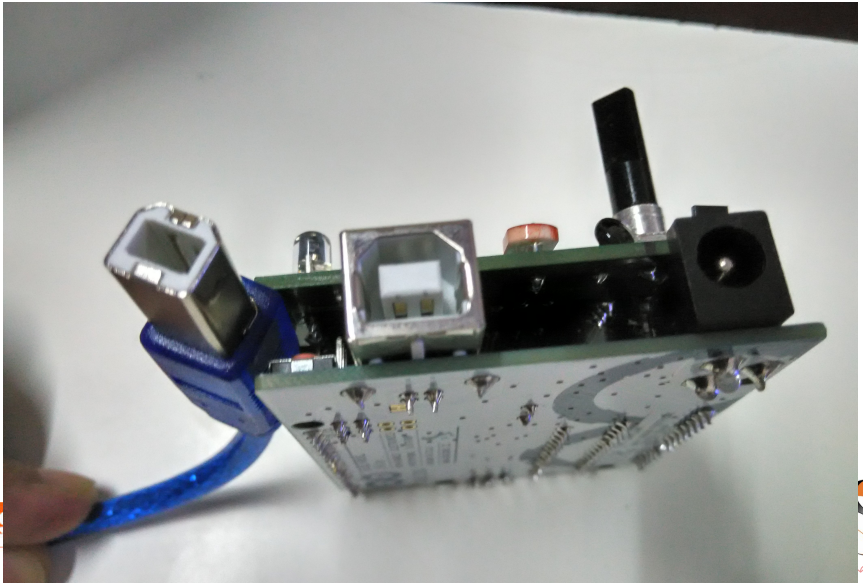
Connecting Shield to Uno



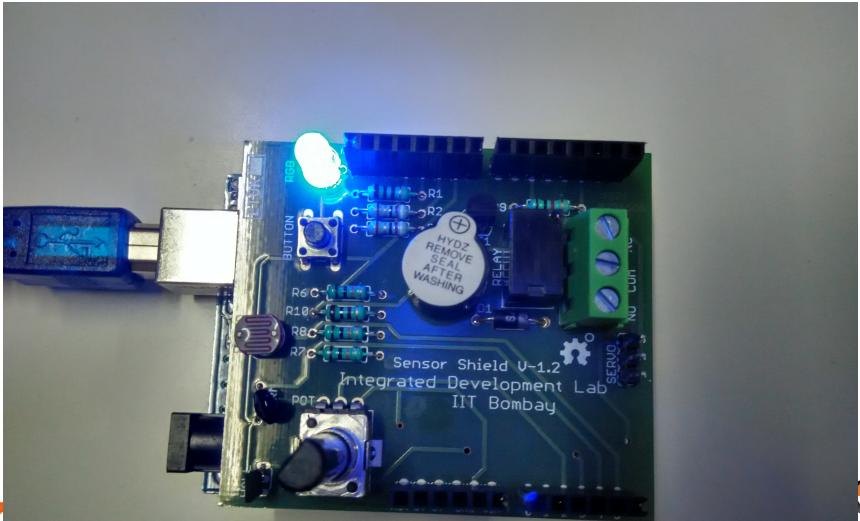
Two ends of USB cable



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



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
- If you do not have good bandwidth, you can download and watch it



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

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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:

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Thanks!

