

First Arduino Program

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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IIT Bombay

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Learning Objectives

We will learn how to



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We will learn how to

- **Write an Arduino program**



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- **Compile and upload the program**



Learning Objectives

We will learn how to

- Write an Arduino program
- Compile and upload the program
- Blink an LED



System Requirements



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- **Arduino UNO Board**



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- **Ubuntu Linux 14.04 OS**



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- **Arduino UNO Board**
- **Ubuntu Linux 14.04 OS**
- **Arduino IDE**



Pre-requisites

- **Basic knowledge of Electronics**



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- **Basic knowledge of writing a C or C++ program**



Pre-requisites

- **Basic knowledge of Electronics**
- **Basic knowledge of writing a C or C++ program**
- **Arduino UNO Board with USB power cable**



Summary

In this tutorial we learnt about,

- **Write an Arduino program**
- **Compile and upload the program**
- **Blink an LED**



Assignment

- **Change the delay timing to 1500 in the above Blink LED program**
- **Compile and upload the program**
- **Observe the blinking in the LED**



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



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 for specific questions

- Do you have questions in **THIS Spoken Tutorial?**
- Please visit <http://forums.spoken-tutorial.org>
- Choose the minute and second where you have the question
- Explain your question briefly
- Someone from our team will answer them



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>

