

# First Arduino Program

**Spoken Tutorial Project**

<http://spoken-tutorial.org>

**National Mission on Education through ICT**

<http://sakshat.ac.in>

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**Recreated By: Spoken Tutorial Team**

**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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- Blink an LED



# System Requirements



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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](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](mailto: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

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- More information on this Mission is available at

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

