

# Editing the JSmol Integrated Web Page

**Spoken Tutorial Project**

**<https://spoken-tutorial.org>**

**National Mission on Education through ICT**

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# Learning Objectives

**In this tutorial, we will learn to,**



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**In this tutorial, we will learn to,**

- ▶ **Edit the HTML page to add 3D models of chemical structures**



# Learning Objectives

In this tutorial, we will learn to,

- ▶ Edit the HTML page to add 3D models of chemical structures
- ▶ Add interactive radio buttons and checkboxes



# Learning Objectives

- ▶ **Add script commands to show animations**



# Learning Objectives

- ▶ Add script commands to show animations
- ▶ Run the edited HTML page locally using HTTP server, localhost 80



# System Requirements

**Here I am using,**



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Here I am using,

► **Ubuntu Linux OS version 20.04**





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- ▶ **Firefox web browser version 100.0**



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- ▶ **Jmol/JSmol version 14.32.83**



# Pre-requisites



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- ▶ script commands in Jmol



# Pre-requisites

- ▶ Jmol Spoken Tutorials link:  
<https://spoken-tutorial.org>



# Code Files

- ▶ The input files required for this tutorial are available in the Code files link



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- ▶ Please download and extract the files



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- ▶ Make a copy of all the files and then use them for practising



# About the Web Page

- ▶ The web page we will be creating will have content on conformations of n-butane



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- ▶ The web page we will be creating will have content on conformations of n-butane
- ▶ The web page will have interactive 3D models of conformations of n-butane:  
anti, gauche and eclipsed





# Summary

We have,

- ▶ Edited the HTML page to add 3D models
- ▶ Added interactive radio buttons and checkboxes
- ▶ Added script commands to show animations



# Summary

- ▶ **Ran the edited HTML page locally using HTTP server, localhost 80**



# Assignment

Using the input file, [example2.html](#) as a template:

- ▶ Create a JSmol integrated web page with the content of your choice
- ▶ Add interactive buttons and animations



# About the Spoken Tutorial Project

- ▶ Watch the video available at [https://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](https://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- ▶ It summarises the Spoken Tutorial project



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- ▶ 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)



# Answers for THIS Spoken Tutorial

- ▶ Questions in THIS Spoken Tutorial?
- ▶ Visit  
<https://forums.spoken-tutorial.org>
- ▶ Choose the minute and second where you have the question
- ▶ Explain your question briefly
- ▶ The Spoken Tutorial project will ensure an answer

**You will have to register to ask questions**



# Acknowledgements

**Spoken Tutorial project is funded by  
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