Introduction to JChemPaint

Talk to a Teacher
http://spoken-tutorial.org
National Mission on Education through ICT
http://sakshat.ac.in

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Learning Objectives

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We will learn

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We will learn

- About JChemPaint

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- About JChemPaint
- Install JChemPaint on Windows OS

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- About JChemPaint
- Install JChemPaint on Windows OS
- Install JChemPaint on Ubuntu OS 12.04

Learning Objectives

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- Menu bar, Tool bars and Panel of JChemPaint interface

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- Preferences window

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- Menu bar, Tool bars and Panel of JChemPaint interface
- Preferences window
- Draw structures using tools

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- Menu bar, Tool bars and Panel of JChemPaint interface
- Preferences window
- Draw structures using tools
- Save the drawing with .mol extension

System Requirement

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- Ubuntu Linux OS v 12.04

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- Windows 7

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- Ubuntu Linux OS v 12.04
- Windows 7
- JChemPaint version 3.3-1210

System Requirement

- Ubuntu Linux OS v 12.04
- Windows 7
- JChemPaint version 3.3-1210
- FireFox Browser 31.0

System Requirement

- Ubuntu Linux OS v 12.04
- Windows 7
- JChemPaint version 3.3-1210
- FireFox Browser 31.0
- Java version 7

Pre-requisites

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- Internet connection

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- *Synaptic Package Manager* **installed on your system**

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- *Synaptic Package Manager* installed on your system
- Knowledge of *Terminal* on Ubuntu

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Pre-requisites

You should have

- Internet connection
- *Synaptic Package Manager* installed on your system
- Knowledge of *Terminal* on Ubuntu
- Knowledge of Command Prompt on Windows

Java Installation

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To run JChemPaint,

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- Java can be installed on Ubuntu using *Synaptic Package Manager*

Java Installation

To run JChemPaint,

- You should have Java installed on your system
- Java can be installed on Ubuntu using *Synaptic Package Manager*
- For example: openjdk-7-jre

About JChemPaint

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- 2D chemical structures editor and viewer

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- Free & open-source cross platform application developed in Java

About JChemPaint

JChemPaint

- 2D chemical structures editor and viewer
- Free & open-source cross platform application developed in Java
- Allows to import & export structure data in plain-text formats (SMILES, Molfile, CML, InChI keys)

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Error On Command Prompt

Error On Command Prompt

- Go to *Program files* locate *Java* folder and click on it

Error On Command Prompt

- Go to *Program files* locate *Java* folder and click on it
- Locate *bin* folder and right-click on it

Error On Command Prompt

- Go to *Program files* locate *Java* folder and click on it
- Locate *bin* folder and right-click on it
- Navigate to *Properties*

Error On Command Prompt

- Go to *Program files* locate *Java* folder and click on it
- Locate *bin* folder and right-click on it
- Navigate to *Properties*
- Copy the address
  C : \ProgramFiles(x86)\Java\jre7

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Set Up The Path

Set Up The Path

- **Right click on *My Computer*, select *Properties* option**

Set Up The Path

- **Right click on** *My Computer*, **select** *Properties* **option**
- **Click on** *Advanced System settings*, **click on** *Environment Variables*

Set Up The Path

- **Right click on** *My Computer*, **select** *Properties* **option**
- **Click on** *Advanced System settings*, **click on** *Environment Variables*
- **In** *System Variables* **search for Path**

Set Up The Path

Set Up The Path

- Click on *Edit*, *Edit system Variable* dialogue box opens

Set Up The Path

- Click on *Edit*, *Edit system Variable* dialogue box opens
- **Paste the address**
  C : \ProgramFiles(x86)\Java\jre7

Set Up The Path

- Click on *Edit*, *Edit system Variable* dialogue box opens
- Paste the address
  $C:\ProgramFiles(x86)\Java\jre7$
- Click on *OK* and close the windows

Summary I

We have learnt,

- About JChemPaint
- Install JChemPaint on Windows OS
- Install JChemPaint on Ubuntu OS 12.04

Summary II

- Menu bar, Tool bars and Panel of JChemPaint interface
- Preferences window
- Draw structures using tools
- Save the drawing with *.mol* extension

Assignment

1. Install JChemPaint
2. Explore various menu items

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

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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

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- More information on this Mission is available at http://spoken-tutorial.org/NMEICT-Intro