

Introduction to JChemPaint

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

Madhuri Ganapathi

IIT Bombay

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Talk to a Teacher



Learning Objectives



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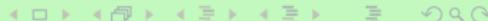


Learning Objectives

We will learn



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Learning Objectives

We will learn

- **About JChemPaint**



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Learning Objectives

We will learn

- About JChemPaint
- **Install JChemPaint on Windows OS**



Learning Objectives

We will learn

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



Learning Objectives



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Learning Objectives

We will also learn



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Learning Objectives

We will also learn

- Menu bar, Tool bars and Panel of JChemPaint interface



Learning Objectives

We will also learn

- Menu bar, Tool bars and Panel of JChemPaint interface
- **Preferences window**



Learning Objectives

We will also learn

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



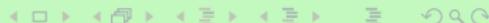
Learning Objectives

We will also learn

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



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System Requirement



System Requirement

- Ubuntu Linux OS v 12.04



System Requirement

- Ubuntu Linux OS v 12.04
- Windows 7



System Requirement

- 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**

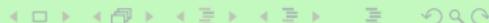


System Requirement

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



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Pre-requisites



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Pre-requisites

You should have



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Pre-requisites

You should have

- **Internet connection**



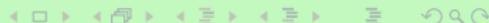
Pre-requisites

You should have

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



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Pre-requisites

You should have

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



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**



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Java Installation



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Java Installation

To run JChemPaint,



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Java Installation

To run JChemPaint,

- You should have Java installed on your system



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Java Installation

To run JChemPaint,

- You should have Java installed on your system
- **Java can be installed on Ubuntu using *Synaptic Package Manager***



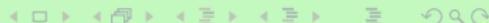
Java Installation

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**



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About JChemPaint



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About JChemPaint

JChemPaint



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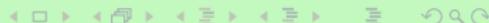
About JChemPaint

JChemPaint

- 2D chemical structures editor and viewer



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About JChemPaint

JChemPaint

- 2D chemical structures editor and viewer
- 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)**



Error On Command Prompt



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Error On Command Prompt

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



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Error On Command Prompt

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



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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***



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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



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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



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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



Acknowledgements

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- 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>

