

An Introduction to Eclipse

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Outline

- 1 The Need for Eclipse ?
 - What's Now
 - What will change ?
- 2 Starting Off With Eclipse
 - Let us take off
 - Making your first Program
- 3 Debugging In Eclipse
 - Basics of Debugging

How do you program NOW ?

- Editing
- Compiling
- Re Editing
- Repeat
- Ok running
- Again repeat
- Well success

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Is that it ?

In case you get out there are more issues . . .

- Reusability
- Code Maintainance
- Documentation
- Etc Etc

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How will you program in Eclipse ?

- Editing ... with help from Eclipse
- Running
- Debugging
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Download Eclipse from www.eclipse.org. Unzip the zip file.

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A One Time Setup

- Workspace Understanding
- Perspective Understanding
- Views Understanding

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Writing the First Program

Specifications Take a Word as input and print some syntactic details i.e number of letters and number of spaces in the word.

- Content Assist
- Java is not about learning big functions names. Its about using them and using them well. Let eclipse do the learning part and we do the using part

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Is there a ?

- Well there should be. How can we make a program without compiling it ?
- Eclipse was doing it all the time
- Lets run it now

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Breakpoints

Breakpoints are like speedbreakers or pause buttons. You can pause your code at many places using breakpoints. Put them judiciously to debug fast. *It comes with practice.*

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Variables

What we are concerned is the value of variables at breakpoints.
If we see anything wrong we can fix things fast (with practice).

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The End

- The only purpose of Eclipse is to increase the efficiency.
- Programmers should spend less time repeating stuff.
- Programmers should spend less time re writing code and debugging.
- And its fun ofcourse :)

Questions Please

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