

## ROLE OF IDEs IN PROGRAMMING

A Java IDE is an Integrated Development Environment for programming in java, while many also provide functionality for other programming languages. It bundles all the tools needed to write, debug and test the code. There are various IDEs available to perform the aforementioned three tasks. Like Eclipse, NetBeans, IntelliJ, IDEA, BlueJ, JDeveloper, MyEclipse, Greenfoot etc.

IDEs basically assists users to write their codes and view them with a helpful editor with features like code highlight, code fold, hint and error/warning marker, format it easily with built-in formatter, built it easily with built-in maven/ant/gradle support. To compile, run and debug it easily. Some IDEs help you profile your code as well. IDEs provide better search tool to navigate/search inside one's code. They also provide powerful refactoring functionality using tools that makes refactoring easy.

In conclusion java or basically IDEs come already with built-in tools that drastically increase users' efficiency. As it also allow developers to work in a single environment and improve their programming workflow.