

# Integrated Development Environment (IDE)



**MSUM ACM**

# What is an IDE ?

**Integrated Development Environments (IDE)** are software applications that provide a complete set of tools for computer programmers for software development. Most IDE normally consist of a source code editor, build automation tools, and a debugger, but is not limited to those options.

**Examples:** Eclipse, NetBeans, Visual Studio, and Android Studio

# examples of IDEs

[http://en.wikipedia.  
org/wiki/Comparison\\_of\\_integrated\\_developme  
nt\\_environments](http://en.wikipedia.org/wiki/Comparison_of_integrated_development_environments)

# Features

- Smart typing - Auto Completion, Syntax Scheme, Context Helper
- Documentation - On Demand and Customization
- Built-in debugger - Step through and analyze code
- Extensions - Swing Editor, PyDev Editor, and Android
- Macros - Refactoring, Improved Navigation, Code generation, etc.