

# Eclipse IDE and First Java Program

Eclipse is a widely used IDE primarily for Java development. Eclipse is used for C and C++ development as well as PHP among other programming languages

Eclipse IDE is written in Java. It mainly consists of a base 'Workspace' and a plug-in system so that we can add more features to it through plugins and extend the functionality of the IDE.

Eclipse works on all the major platforms including Windows, Mac OS, Linux, etc. and boasts of powerful features that can be used to develop full-fledged projects.

## Why do we use Eclipse IDE ?

Given below are the several reasons why the eclipse IDE is mostly used for programming purpose.

- It has captured the market around 65% as the platform is leading java-based development environment. It is used because it provides the functionality add several different components in the platform that are known as plug-ins. Different type of IT organization prefer the Eclipse IDE because of this functionality.
- It is also used because it supports several programming languages.

The applications can be developed in different programming language like C, C ++, Python, Lua, PHP, Perl, JAVA and other programming language. Most of the developers preferred Eclipse IDE for developing

JAVA based applications as the IDE has several advanced features for the development of java-based applications.

- The Eclipse IDE is also used because in every year the new release is offered for the eclipse IDE. The latest version can be used by the developers for developing the applications. The platform offers packaged solutions so that developer can use the packages during the development phase.
- The installation process of the eclipse IDE is comparatively easy to other IDE. The user can download the pre-packaged bundle so that user directly downloads and install the eclipse for programming purpose. This is the main reason why most of the developers preferred the Eclipse IDE over other IDEs for programming purpose.
- It is also used because of simplified user interface in which user can code easily and develop the rich feature application. The workspace is provided by the platform in which user can bundle all the projects in single workspace.

## Features Of Eclipse IDE

Almost everything in Eclipse is a plugin.

We can extend the functionality of Eclipse IDE by adding plugins to the IDE, maybe for additional programming language or version control system or UML.

Supports various source knowledge tools like folding and hyperlink navigation, grading, macro definition browser, code editing with syntax highlighting.

Provides excellent visual code debugging tool to debug the code.

Eclipse has a wonderful user interface with drag and drop facility for UI designing.

Supports project development and administered framework for different toolchains, classic make framework, and source navigation.

Java Eclipse IDE has a JavaDoc facility using which we can automatically create documentation for classes in our application.

## Install And Configure Eclipse Java IDE

Latest Eclipse IDE available with pre loaded JAVA ,so we don't need to install java separately

To download visit following site

<https://www.eclipse.org/downloads/packages/>

from this site download [Eclipse IDE for Enterprise Java and Web Developers](#)

as per your platform that is windows,mac or linux

The Eclipse IDE is rich features IDE that supports various programming features for the developers and ease their work for development of advanced application in eclipse platform. It is mostly preferred for the java-based application development. It supports various programming languages that make the platform favorable for the programmers to use for application development.