***Problem 12. Development Environments***

* Perform a research (e.g. in Google or Wikipedia) and provide a short list with popular development environments (IDEs) like Visual Studio.
* Write in a text file called “list-of-IDEs.txt” at least five IDEs along with 2-3 sentences about each of them. Use English.
* [Eclipse](http://en.wikipedia.org/wiki/Eclipse_%28software%29)
* [ActiveState Komodo](http://en.wikipedia.org/wiki/ActiveState_Komodo)
* [IntelliJ IDEA](http://en.wikipedia.org/wiki/IntelliJ_IDEA)
* [MyEclipse](http://en.wikipedia.org/wiki/MyEclipse)
* [Oracle JDeveloper](http://en.wikipedia.org/wiki/Oracle_JDeveloper)
* [NetBeans](http://en.wikipedia.org/wiki/NetBeans)
* [Codenvy](http://en.wikipedia.org/wiki/Codenvy)
* [Microsoft Visual Studio](http://en.wikipedia.org/wiki/Microsoft_Visual_Studio)

**Eclipse:**

It contains a base [workspace](http://en.wikipedia.org/wiki/Workspace) and an extensible [plug-in](http://en.wikipedia.org/wiki/Plug-in_%28computing%29) system for customizing the environment. Written mostly in [Java](http://en.wikipedia.org/wiki/Java_%28programming_language%29), Eclipse can be used to develop applications. By means of various plug-ins, Eclipse may also be used to develop applications in other [programming languages](http://en.wikipedia.org/wiki/Programming_language): [Ada](http://en.wikipedia.org/wiki/Ada_%28programming_language%29), [ABAP](http://en.wikipedia.org/wiki/ABAP), [C](http://en.wikipedia.org/wiki/C_%28programming_language%29), [C++](http://en.wikipedia.org/wiki/C%2B%2B), [COBOL](http://en.wikipedia.org/wiki/COBOL), [Fortran](http://en.wikipedia.org/wiki/Fortran), [Haskell](http://en.wikipedia.org/wiki/Haskell_%28programming_language%29), [JavaScript](http://en.wikipedia.org/wiki/JavaScript), [Lasso](http://en.wikipedia.org/wiki/Lasso_%28programming_language%29), [Natural](http://en.wikipedia.org/wiki/NATURAL), [Perl](http://en.wikipedia.org/wiki/Perl), [PHP](http://en.wikipedia.org/wiki/PHP), [Prolog](http://en.wikipedia.org/wiki/Prolog), [Python](http://en.wikipedia.org/wiki/Python_%28programming_language%29), [R](http://en.wikipedia.org/wiki/R_%28programming_language%29), [Ruby](http://en.wikipedia.org/wiki/Ruby_%28programming_language%29) (including [Ruby on Rails](http://en.wikipedia.org/wiki/Ruby_on_Rails) framework), [Scala](http://en.wikipedia.org/wiki/Scala_%28programming_language%29), [Clojure](http://en.wikipedia.org/wiki/Clojure), [Groovy](http://en.wikipedia.org/wiki/Groovy_%28programming_language%29), [Scheme](http://en.wikipedia.org/wiki/Scheme_%28programming_language%29), and [Erlang](http://en.wikipedia.org/wiki/Erlang_%28programming_language%29). It can also be used to develop packages for the software [Mathematica](http://en.wikipedia.org/wiki/Mathematica). Development environments include the Eclipse Java development tools (JDT) for Java and Scala, Eclipse CDT for C/C++ and Eclipse PDT for PHP, among others.

# JDeveloper:

JDeveloper is a [freeware](http://en.wikipedia.org/wiki/Freeware) [IDE](http://en.wikipedia.org/wiki/Integrated_development_environment) supplied by [Oracle Corporation](http://en.wikipedia.org/wiki/Oracle_Corporation). It offers features for development in [Java](http://en.wikipedia.org/wiki/Java_%28programming_language%29), [XML](http://en.wikipedia.org/wiki/XML), [SQL](http://en.wikipedia.org/wiki/SQL) and [PL/SQL](http://en.wikipedia.org/wiki/PL/SQL), [HTML](http://en.wikipedia.org/wiki/HTML), [JavaScript](http://en.wikipedia.org/wiki/JavaScript), [BPEL](http://en.wikipedia.org/wiki/BPEL) and [PHP](http://en.wikipedia.org/wiki/PHP). JDeveloper covers the full development lifecycle from design through coding, debugging, optimization and profiling to deploying.

**NetBeans:**

NetBeans is an [integrated development environment](http://en.wikipedia.org/wiki/Integrated_development_environment) (IDE) for developing primarily with [Java](http://en.wikipedia.org/wiki/Java_%28programming_language%29), but also with other languages, in particular [PHP](http://en.wikipedia.org/wiki/PHP), [C](http://en.wikipedia.org/wiki/C_%28programming_language%29)/[C++](http://en.wikipedia.org/wiki/C%2B%2B), and [HTML5](http://en.wikipedia.org/wiki/HTML5). It is also an [application platform](http://en.wikipedia.org/wiki/Platform_%28computing%29) framework for Java desktop applications and others.The NetBeans IDE is written in Java and can run on Windows, OS X, Linux, Solaris and other platforms supporting a compatible [JVM](http://en.wikipedia.org/wiki/Java_Virtual_Machine).

**Codenvy:**

Codenvy provides a [container](http://en.wikipedia.org/wiki/LXC)-based development environment whose goal is to remove the need for developers to configure or maintain local or VM-based developer environments for their projects. Primary elements of the developer environment include: an IDE ([integrated development environment](http://en.wikipedia.org/wiki/Integrated_development_environment)), source-code manager integration, build environments (for a [compiled language](http://en.wikipedia.org/wiki/Compiled_language)), debugging tools, [docker](http://en.wikipedia.org/wiki/Docker_%28software%29)-based, user-controlled containers for running projects

**Microsoft Visual Studio:**

It is used to develop [computer programs](http://en.wikipedia.org/wiki/Computer_program) for [Microsoft Windows](http://en.wikipedia.org/wiki/Microsoft_Windows), as well as [web sites](http://en.wikipedia.org/wiki/Web_site), [web applications](http://en.wikipedia.org/wiki/Web_application) and [web services](http://en.wikipedia.org/wiki/Web_service). Visual Studio uses Microsoft software development platforms such as [Windows API](http://en.wikipedia.org/wiki/Windows_API), [Windows Forms](http://en.wikipedia.org/wiki/Windows_Forms), [Windows Presentation Foundation](http://en.wikipedia.org/wiki/Windows_Presentation_Foundation), [Windows Store](http://en.wikipedia.org/wiki/Windows_Store) and [Microsoft Silverlight](http://en.wikipedia.org/wiki/Microsoft_Silverlight). It can produce both [native code](http://en.wikipedia.org/wiki/Native_code) and [managed code](http://en.wikipedia.org/wiki/Managed_code).