Въведение в Java

In Java all public classes should stay in a file with the same name

Java programming language is:

* Object-oriented
* Type-safe
* Good for large server-side projects

The Java platform consists of:

* Java programming language
* Java Virtual Machine (JVM) – environment for execution of Java code
* Java API – powerful class library
* Has the ability to run Java programs on any machine with JVM

JVM – Java Virtual Machine

* Executes compiled Java code (bytecode)
* Virtual environment for safe code execution
* Similar to CLR in .NET

JRE – Java Runtime Environment

* A runtime environment for Java-based software
* JRE = JVM + Java API classes (standard Java libraries)
* Similar to .NET

JDK – Java Development Kit

* The development platform for Java developers
* Consists of JRE + compilers + tools