Module 01:

What is JDK?

The Java Development Kit (**JDK**) is a software development environment used for developing Java applications. It includes the Java Runtime Environment (JRE), an interpreter/loader (java), a compiler (javac), an archiver (jar), a documentation generator (javadoc) and other tools needed in Java development.

Javac = The compiler for the Java Programming language.

Java = The launcher for Java technology Application.

Jdb = The java debugger.

Javadoc = The API document generator

Jar = java Archive file creator and management.

API = [Application programming interface](https://en.wikipedia.org/wiki/Application_programming_interface)

JDK = Java Development Kit

JRE = Java Runtime Environment

RMI = Remote method invocation

CORBA = Common object request broker architecture.

JMX = Java monitoring and management.

Sample selection of Standard library and classes.

|  |  |  |
| --- | --- | --- |
| Library Name | Sample class in library | Purpose |
| Java.lang | Ename, Float, String, object |  |
| Java.util | Array, Calendar, Date |  |
| Java.io | File, Reader, Writer |  |
| Java.math | BigDecimal, BigInteger |  |
| Java.text | DateFormate, Collator |  |
| Java.crypto | Cipher, KeyGenerator |  |
| Java.net | Soket, URL, InetAddress |  |
| Java.sql | ResultSet |  |
| Javax.swing |  |  |
| Javax..xml.parsers |  |  |

Module 03:

[What is a Constructor](https://www.techopedia.com/definition/5656/constructor)?

A **constructor** is a special method of a class or structure in object-oriented programming that initializes an object of that type.

How many kind of data type?

There are

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