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# Preface

Java se9 was introduced in 21/09/2019 some features impove bellow:

Modulazation of the JDK under Project Jigsaw

Provided Money and Currency API

Try-with

Annonymous Classes Improvement

Java annotation @SafeVarags

Tight intergation with JavaFX

Java implementation of reactive streams.

Provided java linker.

Automatic scaling and sizing.

Interface Private Methods

HTTP 2 Client

JShell REPL Tool

Platform and JVM Logging

Process API Updates

Stream API Improvements

Multi-Release JRA Files

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Stack Walking

Java Docs Updates

Start

Modulazation of the JDL project Project Jigshaw.

## Modulazation of the JDK under Project Jigsaw

Java Module System is a major change in Java 9 version. Java added this feature to collect java packages and code into a single unit called module. The verions earlier of java, there was no concept of module to create modular java applications, that why size of application increased and difficult to move around. Even JDK itself was too heavy in size.

Modular Jar file is introduced. This Jar contains module-info.class file in its root folder.

To use **a module**, include the jar file into **modulepath** instead of the classPaht. A **module jar** file added to **classPath** is normal jar file and module-infor.class file will be ignored.

A class is container of fields and methods

A packages is a container of classes and interfaces

A module is a container of packages

Detail visit here: <https://sharecodefull.blogspot.com/2020/12/java-platform-module-system.html>

## Provided Money and Currency API

JSR 354 java Specification request Money and Currency API. The JSR did not make its way into JDK 9 but candidate for future JDK releases. It has version (moneta) implementation of version original (javax.money) is used a lot so i will introduced it.

Features:

To provide an API for handing and calculating monetary amounts.

To define classes representing currencies and monetary amounts as well as rounding, add, subtract, mulity, divide, exchange currencies, formating, parsing.

Detail visit here:

This section is non commercial mainly sharing and advance knowlage for java.This tutorials has referenced document from the list below if you has complain for license, i will remove all from internet. Thank you all everything.

https://www.javatpoint.com/java-versions

<https://howtodoinjava.com/java9/java9-new-features-enhancements>

<https://www.baeldung.com/java-money-and-currency>

<https://dzone.com/articles/looking-java-9-money-and>