<https://www.javatpoint.com/java-reflection>

Java Reflection API

**Java Reflection** is a *process of examining or modifying the run time behavior of a class at run time*.

The **java.lang.Class** class provides many methods that can be used to get metadata, examine and change the run time behavior of a class.

The java.lang and java.lang.reflect packages provide classes for java reflection.

Where it is used

The Reflection API is mainly used in:

* IDE (Integrated Development Environment) e.g. Eclipse, MyEclipse, NetBeans etc.
* Debugger
* Test Tools etc.

# newInstance() method

The **newInstance()** method of **Class** class and **Constructor** class is used to create a new instance of the class.

The newInstance() method of Class class can invoke zero-argument constructor whereas newInstance() method of Constructor class can invoke any number of arguments. So Constructor class is preferred over Class class.

#### **Syntax of newInstance() method of Class class**

**public T newInstance()throws InstantiationException,IllegalAccessException**