Try-with-resources (originally known as [Automatic Resource Management](https://docs.google.com/View?id=ddv8ts74_3fs7483dp)) is one of the Project [Coin](http://openjdk.java.net/projects/coin/) proposals that made its way into recent JDK 7 builds. Traditionally, developers had to manually terminate any resources (Files, Database connections, etc) they use in their applications and sometimes it was painful to keep track of those things and failing to do so may have serious problems such as resource leaks which could potentially lead to application failures that are hard to debug and triage. The burden of managing resources is no more a developer’s headache as this will be natively supported in Java 7.

To support this feature, a class must implement a designated interface [AutoCloseable](http://download.java.net/jdk7/docs/api/java/lang/AutoCloseable.html) to make it eligible for automatic resource management.

In Java, normally we open a file in a try block, and close the file in the finally block, see following :

**try**{

*//open file or resources*

}**catch**(IOException){

*//handle exception*

}**finally**{

*//close file or resources*

}

Since JDK 7, a new “**try-with-resources**” approach is introduced. When a try block is end, it will close or release your opened file automatically.

**try**(open file or resource here){

*//...*

}

*//after try block, file will close automatically*