

Following are the core command line options that can be specified with the JAR tool and we have seen them in the lecture.

Options	Description
c	Create a new JAR file
t	View table of contents of a JAR
x	Extract files from a JAR
u	Update a JAR
f	Specify the JAR file name

We also saw the following less commonly used options:

m – Include manifest information from the specified file

e – Add the specified class name as the Main-Class entry in the manifest file

Below are other options that can be included.

v – Generates verbose output on the standard output

0 – Zero implying zero compression, i.e., entries in JAR will not be compressed

M – Do not create Manifest file

### **Additional Resources**

Check out the following resources for more details on JAR.

1. Vol. 2 of Harnessing Java by Kishori Sharan has a chapter titled “Working with Archive Files” dedicated to JAR & ZIP. It also discusses the JAR & ZIP API that are part of Java API.

2. Oracle’s Tutorial on JAR files.

<https://docs.oracle.com/javase/tutorial/deployment/jar/index.html>