Java monitoring tools:

1. VisualVM – GC info, thread info, collecting and inspecting heap dumps, method sampler and profiler
2. JMC – view Java Flight Recorder files and JMX beans
3. JConsole – standard tool for basic monitoring and viewing JMX beans

Java CLI commands for monitoring:

1. jps – lists the instrumented HotSpot JVMs. Can be used to see Process ID (unique process identifier in your OS)
2. jmap – prints heap statistics or creates a heap dump of a given process
   a. -histo <pid>
   b. -dump:live,format=b,file=filename.hprof
3. Jstack <pid> – thread dump of a given process
4. jstat – lists properties of a selected JVM
   a. -gcnew <pid> <interval> <count>
5. jcmd – is used to send diagnostic command requests to the JVM
   a. <pid> GC.class_histogram
   b. <pid> JFR.start
   c. <pid> JFR.dump filename=file.jfr