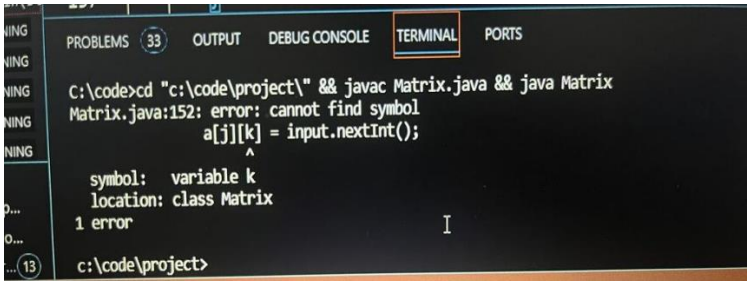
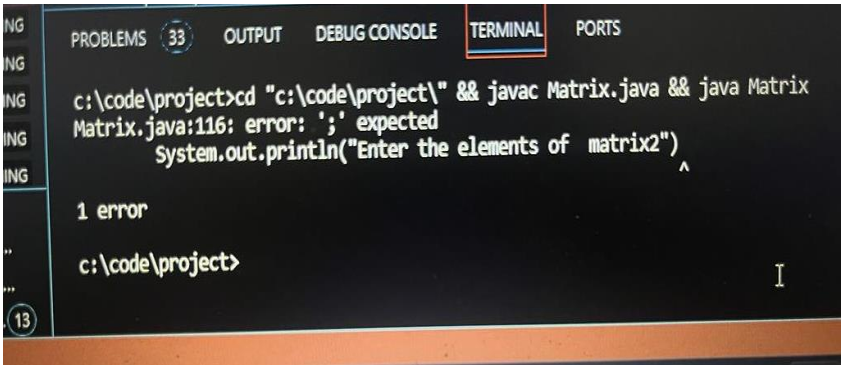
Debugging in Mini project

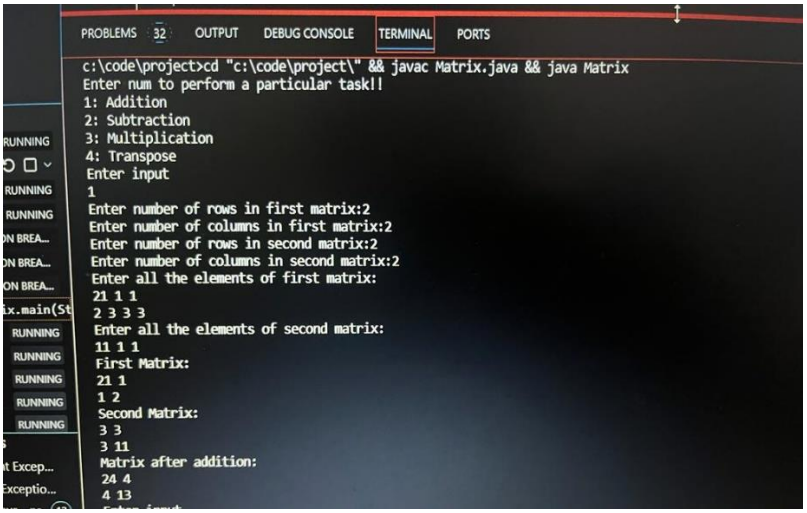
1) Use of wrong variable in array declaration



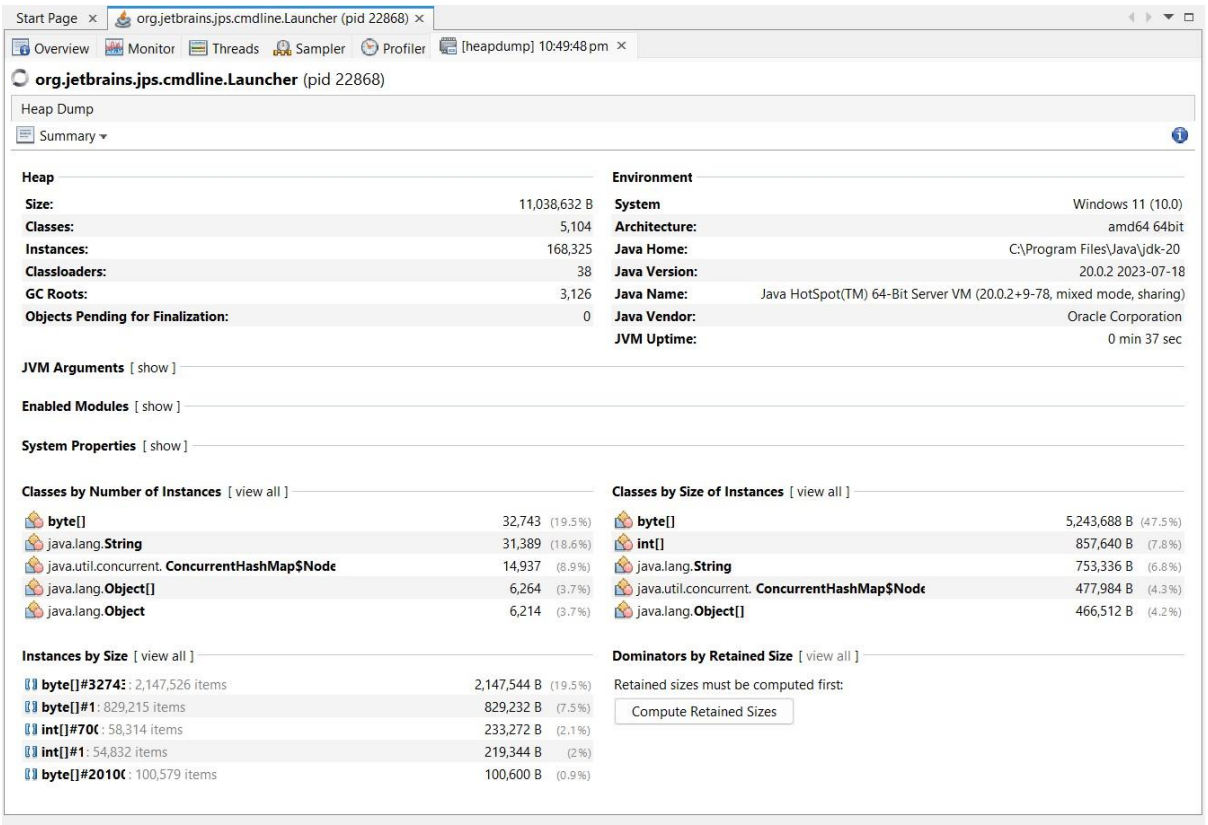
2) Semicolon was missing at the end

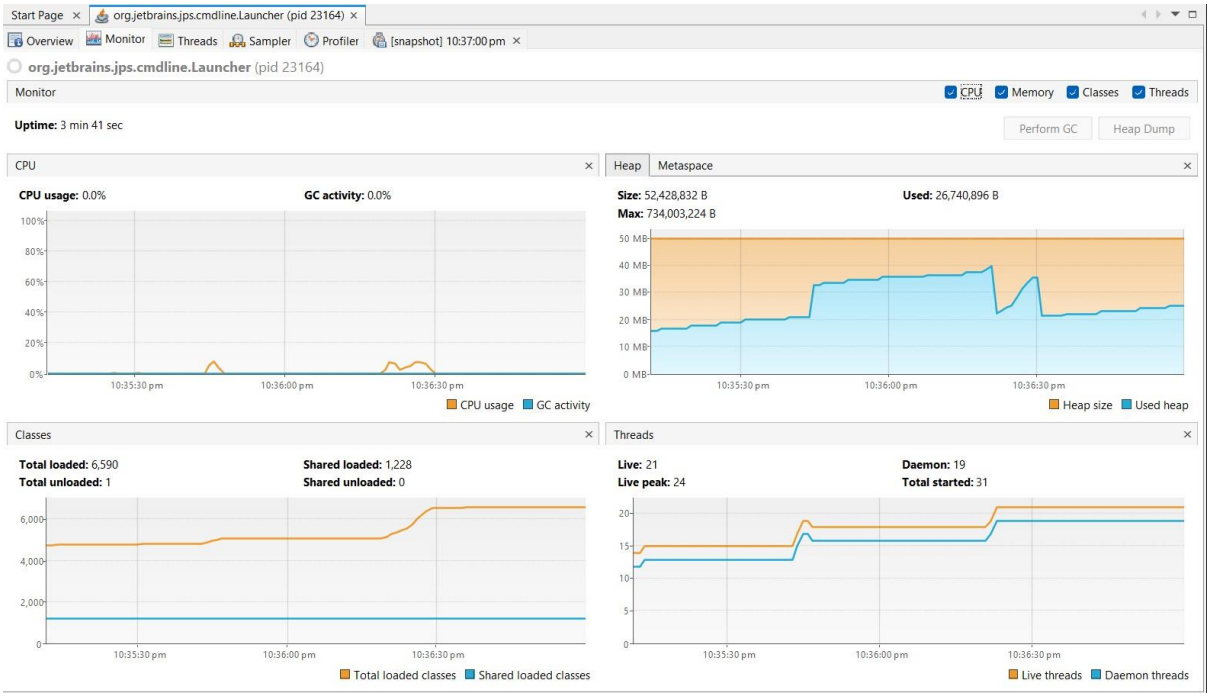


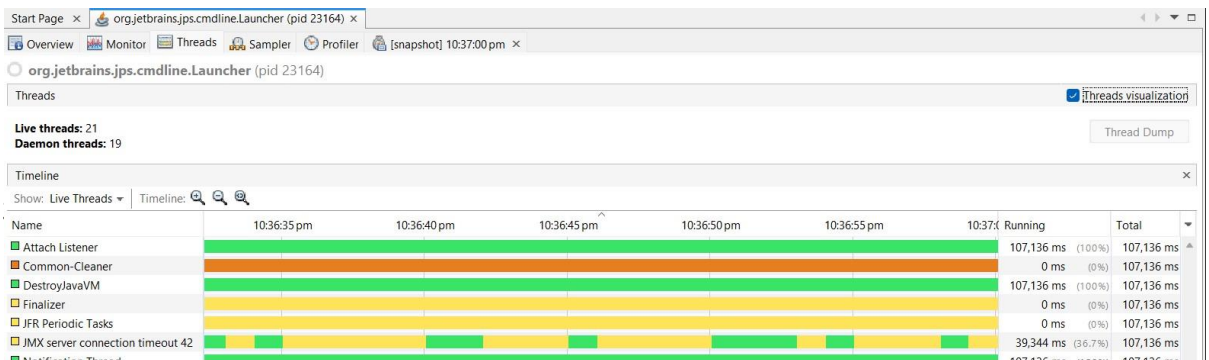
3) After debugging code was running effectively



Profiling of Mini project


Start Page
org.jetbrains.jps.cmdline.Launcher (pid 22868)
Overview
Monitor
Threads
Sampler
Profiler
[heapdump] 10:49:48 pm
org.jetbrains.jps.cmdline.Launcher (pid 22868)
Heap Dump
Summary
Heap
Size: 11,038,632 B
Classes: 5,104
Instances: 168,325
Classloaders: 38
GC Roots: 3,126
Objects Pending for Finalization: 0
Environment
System Windows 11 (10.0)
Architecture: amd64 64bit
Java Home: C:\Program Files\Java\jdk-20
Java Version: 20.0.2 2023-07-18
Java Name: Java HotSpot(TM) 64-Bit Server VM (20.0.2+9-78, mixed mode, sharing)
Java Vendor: Oracle Corporation
JVM Uptime: 0 min 37 sec
JVM Arguments [show]
Enabled Modules [show]
System Properties [show]
Classes by Number of Instances [view all]
byte[] 32,743 (19.5%)
java.lang.String 31,389 (18.6%)
java.util.concurrent. ConcurrentHashMap$Node 14,937 (8.9%)
java.lang.Object[] 6,264 (3.7%)
java.lang.Object 6,214 (3.7%)
Classes by Size of Instances [view all]
byte[] 5,243,688 B (47.5%)
int[] 857,640 B (7.8%)
java.lang.String 753,336 B (6.8%)
java.util.concurrent. ConcurrentHashMap$Node 477,984 B (4.3%)
java.lang.Object[] 466,512 B (4.2%)
Instances by Size [view all]
byte[]#3274 : 2,147,526 items 2,147,544 B (19.5%)
byte[]#1 : 829,215 items 829,232 B (7.5%)
int[]#70 : 58,314 items 233,272 B (2.1%)
int[]#1 : 54,832 items 219,344 B (2%)
byte[]#2010 : 100,579 items 100,600 B (0.9%)
Dominators by Retained Size [view all]
Retained sizes must be computed first:
Compute Retained Sizes


Start Page
org.jetbrains.jps.cmdline.Launcher (pid 23164)
Overview
Monitor
Threads
Sampler
Profiler
[snapshot] 10:37:00 pm
org.jetbrains.jps.cmdline.Launcher (pid 23164)
Monitor
CPU
Memory
Classes
Threads
Uptime: 3 min 41 sec
Perform GC
Heap Dump
CPU
CPU usage: 0.0%
GC activity: 0.0%
CPU usage
GC activity
Heap
Metaspace
Size: 52,428,832 B
Used: 26,740,896 B
Max: 734,003,224 B
Heap size
Used heap
Classes
Total loaded: 6,590
Shared loaded: 1,228
Total unloaded: 1
Shared unloaded: 0
Total loaded classes
Shared loaded classes
Threads
Live: 21
Daemon: 19
Live peak: 24
Total started: 31
Live threads
Daemon threads


Start Page
org.jetbrains.jps.cmdline.Launcher (pid 23164)
Overview
Monitor
Threads
Sampler
Profiler
[snapshot] 10:37:00 pm
org.jetbrains.jps.cmdline.Launcher (pid 23164)
Threads
Threads visualization
Live threads: 21
Daemon threads: 19
Thread Dump
Timeline
Show: Live Threads
Timeline:
Name
10:36:35 pm
10:36:40 pm
10:36:45 pm
10:36:50 pm
10:36:55 pm
Running
Total
Attach Listener 107,136 ms (100%) 107,136 ms
Common-Cleaner 0 ms (0%) 107,136 ms
DestroyJavaVM 107,136 ms (100%) 107,136 ms
Finalizer 0 ms (0%) 107,136 ms
JFR Periodic Tasks 0 ms (0%) 107,136 ms
JMX server connection timeout 42 39,344 ms (36.7%) 107,136 ms