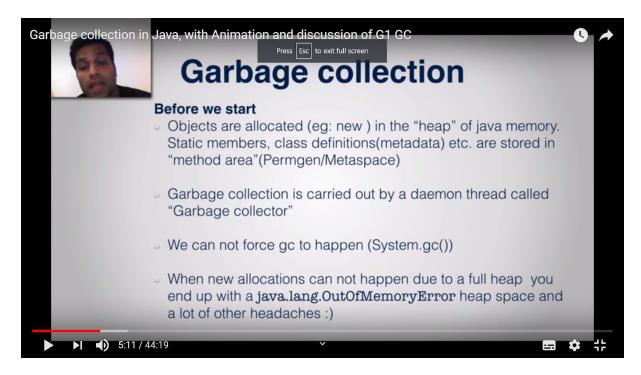
Garbage Collection:







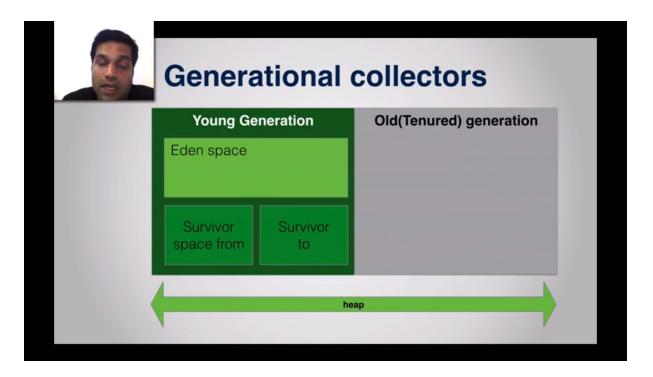
Garbage collection

Involves

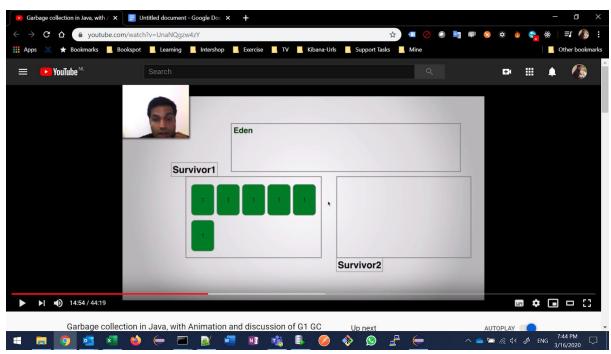
Mark: Starts from root node of your application(main), walks the object graph, marks objects that are reachable as live.

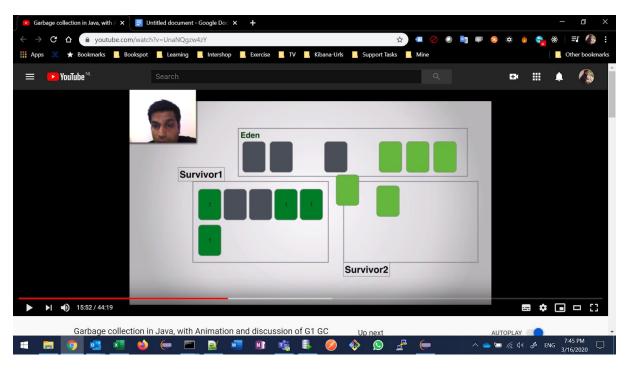
Delete/sweep: Delete unreachable objects

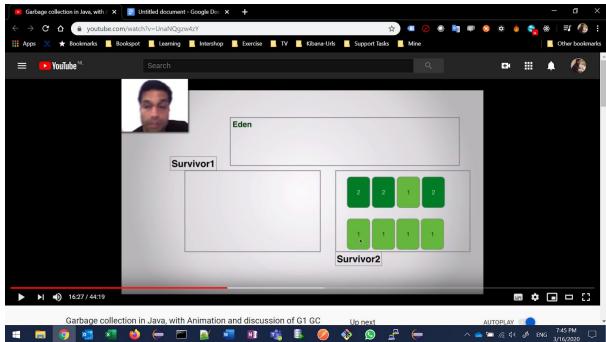
Compacting: Compact the memory by moving around the objects and making the allocation contiguous than fragmented.

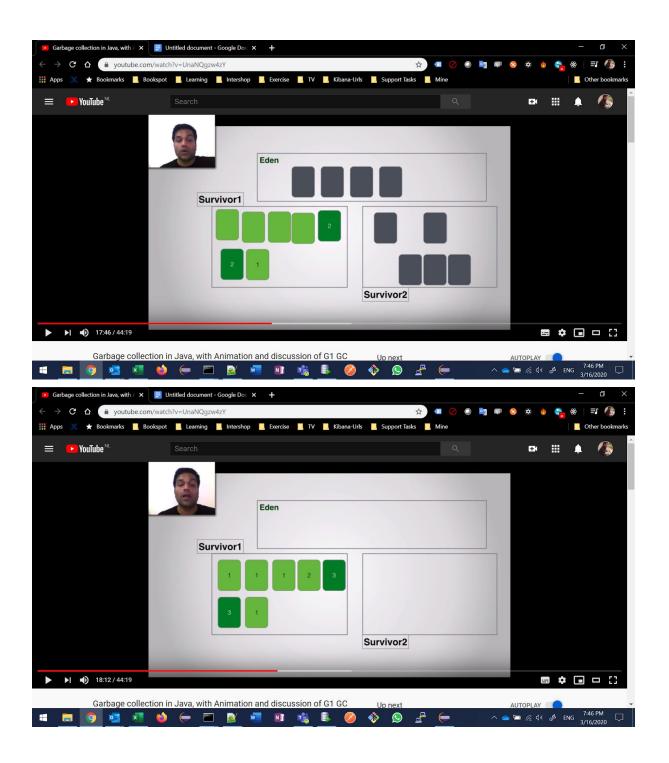


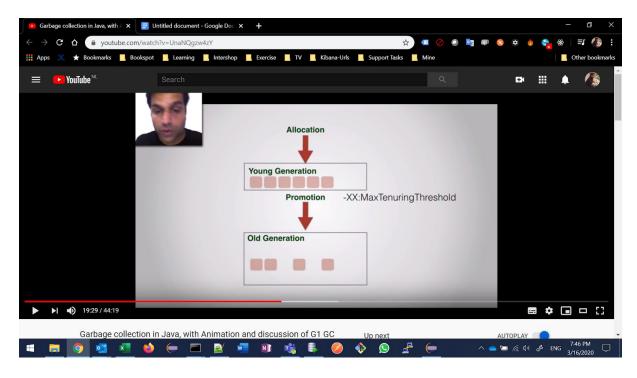


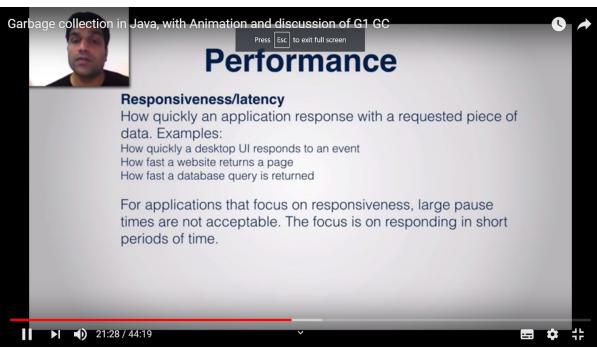


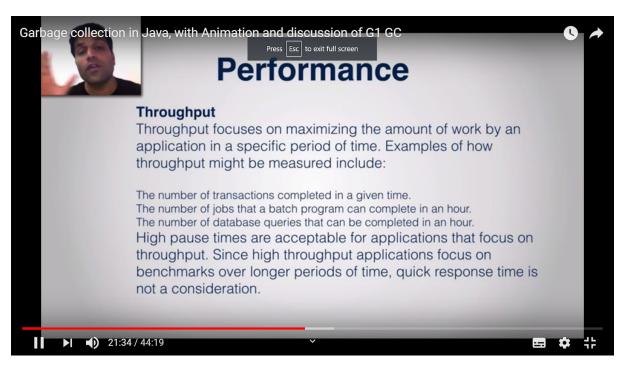


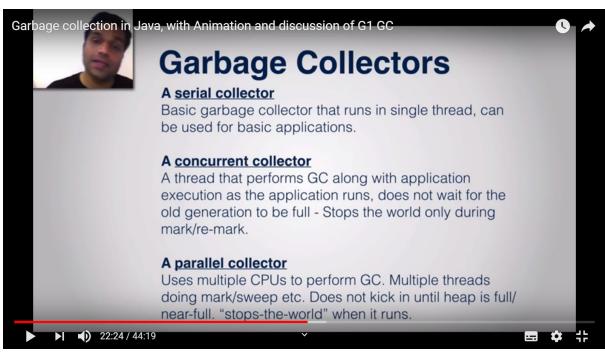




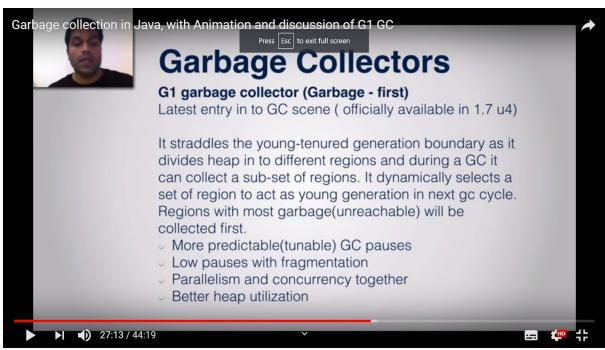


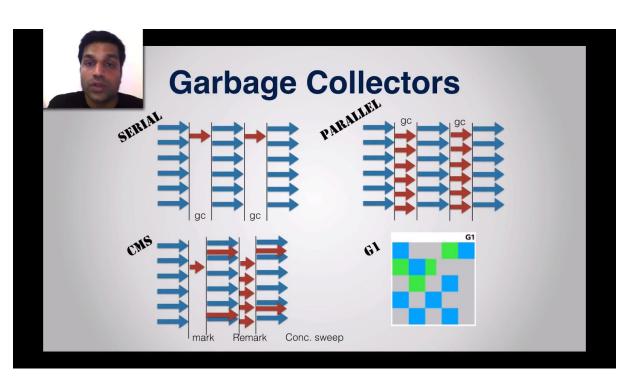


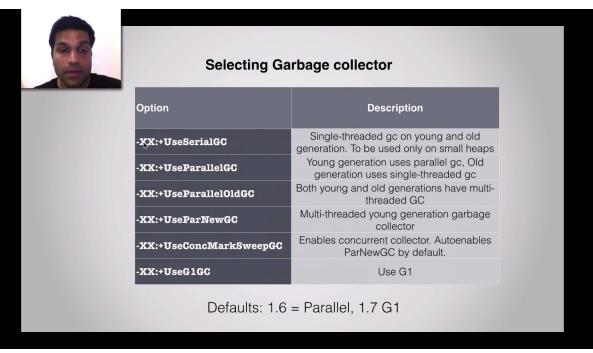














Press Esc to exit full screen

Tune the Heap

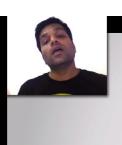
- -Xmsvalue
- -Xmxvalue (def: 256m)
- -XX:NewRatio=ratio (2 means 1/3 Y + 2/3 T)
- -XX:NewSize=size
- -XX:MaxNewSize=size
- -XX:PermSize
- -XX:MaxPermSize (def: 64m)



GC logging

- -verbose:gc
- -XX:+PrintGCDetails
- -Xloggc:gc.log

Very useful if gc is the suspect. Use graphical tool to analyze the logs.



View GC

jvisualvm with visual gc plugin

