EF ORM :- 8.0

EF - DbContext : Microsoft. EntityFrameworkCore.

- OnConfiguring():-> This method provides
a service to configure
the above DbContret Class
with SQL Server Provider.
and also all required
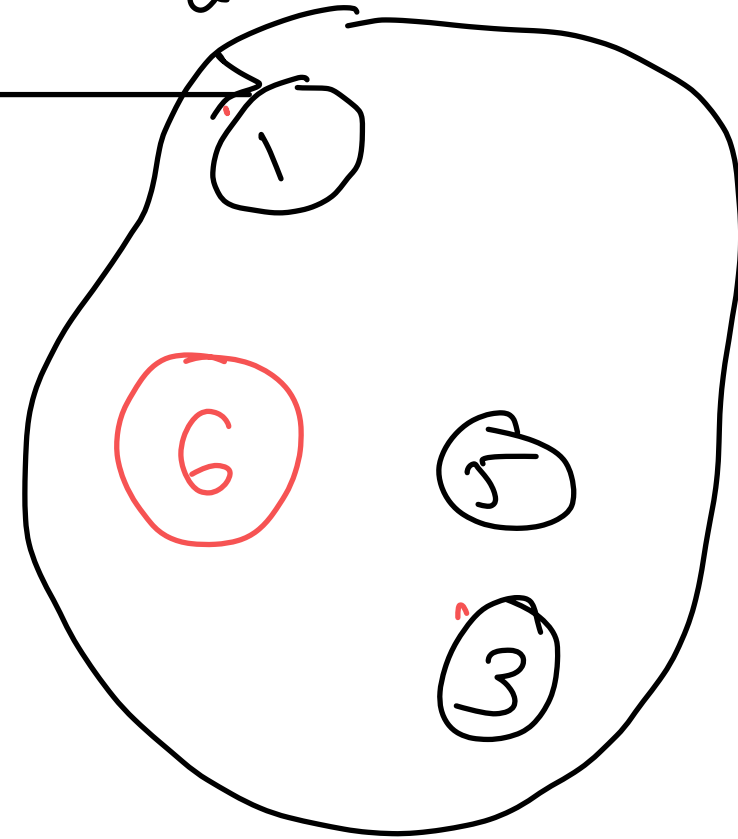files to start and Run
this Servize.

GC : Garbage Collector

GC Finalize Queue

| 01 | 03 | 05 | 06 |

GC. Finalize()

100 unit

| Obj 1 |
| 03 |
| 05 |
| 06 |
| |
| |

10
20
30
20
0

managed heap.

(circles: 1, 6, 5, 3)

heap is divided into generations.

0 | 08 | | 1 | | | |

2 | 01 02 04 06 | finalize Q

GC Queue

Stack

01: ~~1~~, 2	
02: ~~12~~	
04: ~~12~~	
08: ~~12~~	
08: 0	

Gen 0
newly
creatd
objects

Gen 1 GC Iteration
survived
objects

Gen 2
GC Iteration survived
objects

Managed Heap
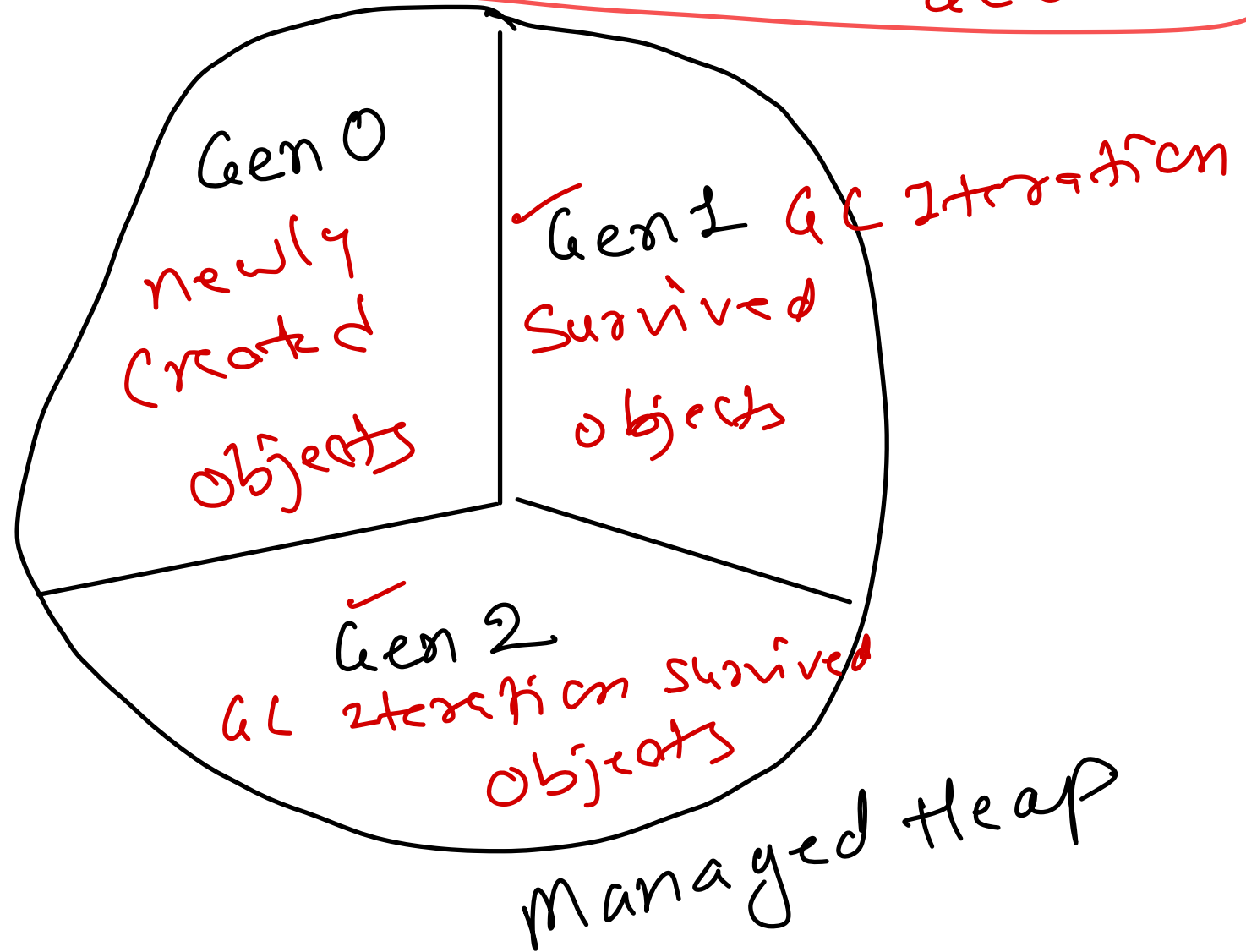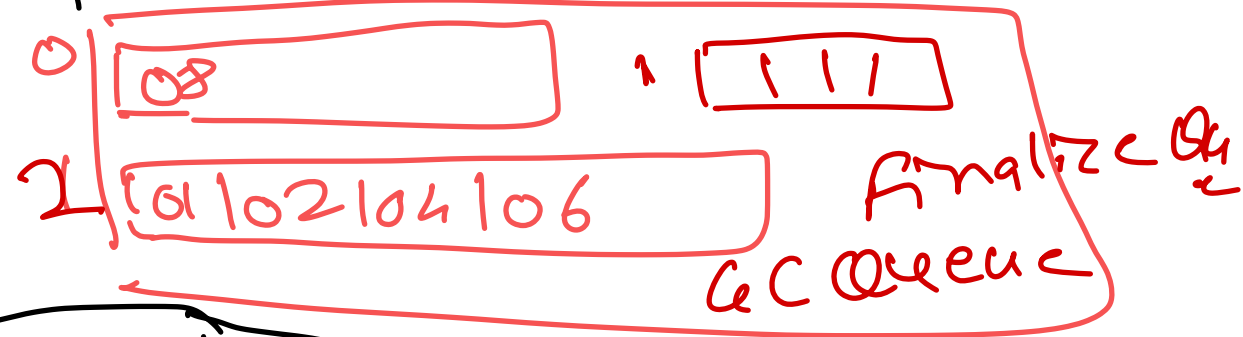
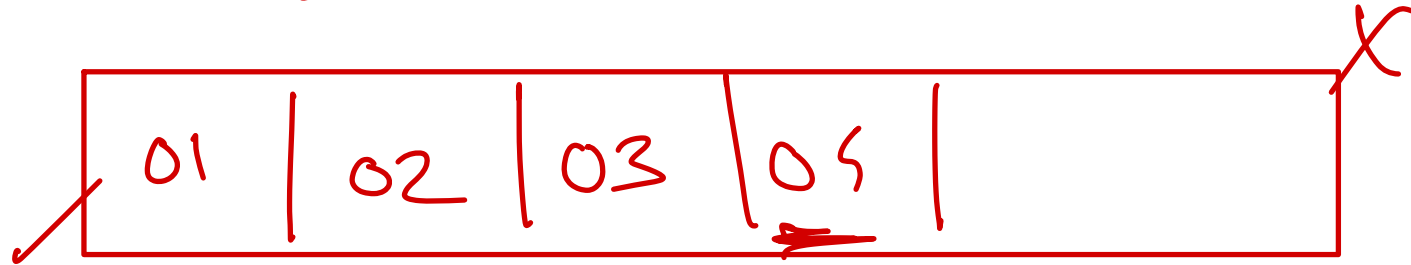Dos and Don't regarding GC :-

1. Do not write destructor (~)

2. Don't write GC. Collect() by our own.

3. Do not Declare large Objects / bulky objects
   [memory 85000 bytes above]

   large / bulky objects gets by birth

   generation ID = 2

   GC. Collect(2);

4. DOS :- Implement IDisposable
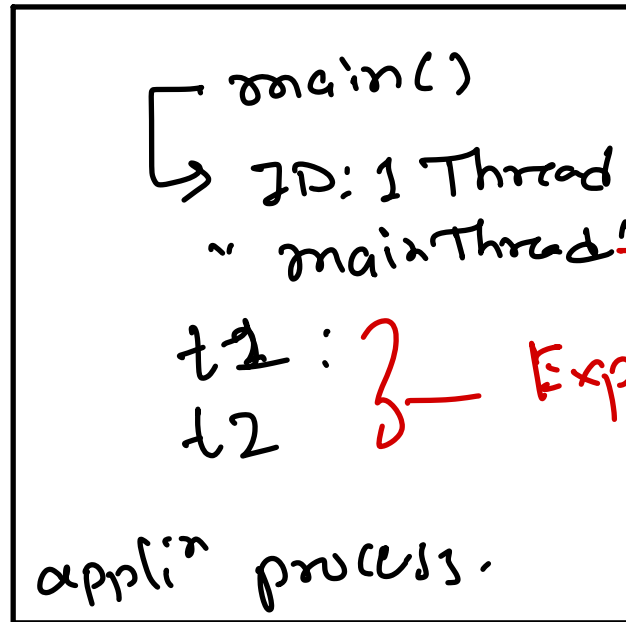   interface and write Dispose() code

GC Queue / Finalize Queue.

| 01 | 02 | 03 | 05 | | |

obj1 = Dispose.

Dispose ( )

GC. Supessfinalize (obj1)

GC. finalize ( )

~Demo()

ID: 1   MainThread → CLR.

Thread queue.

l1   l2   1
t2, t1, m
enqueue

CPU 1

main()
ID: 1 Thread
~ mainThread — Implicit Thread
t1 :   } — Explicit Thread
t2

CPU 2

appl^n process.
50ThreadDemo.dll

CPU 3
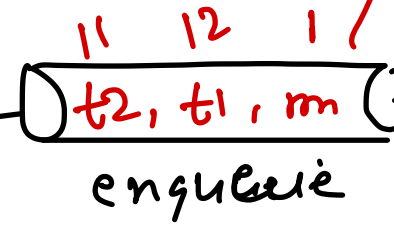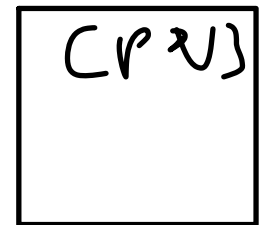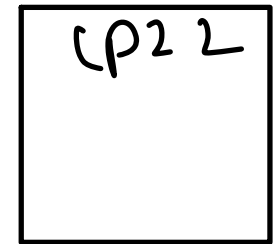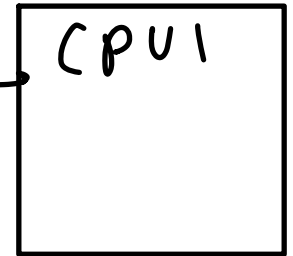
Task is class, and it is lighter unit of Thread