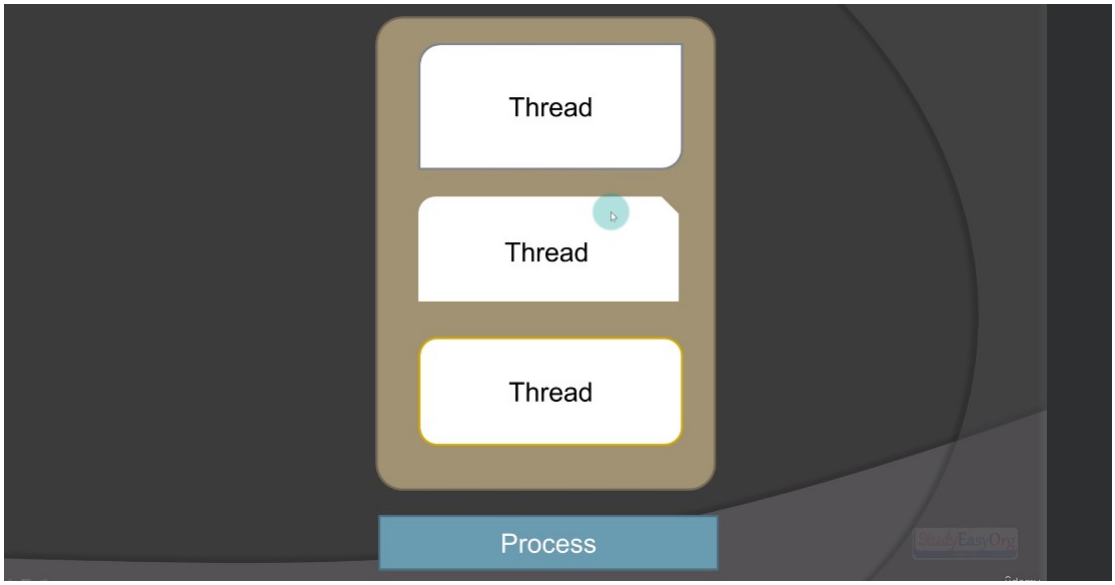
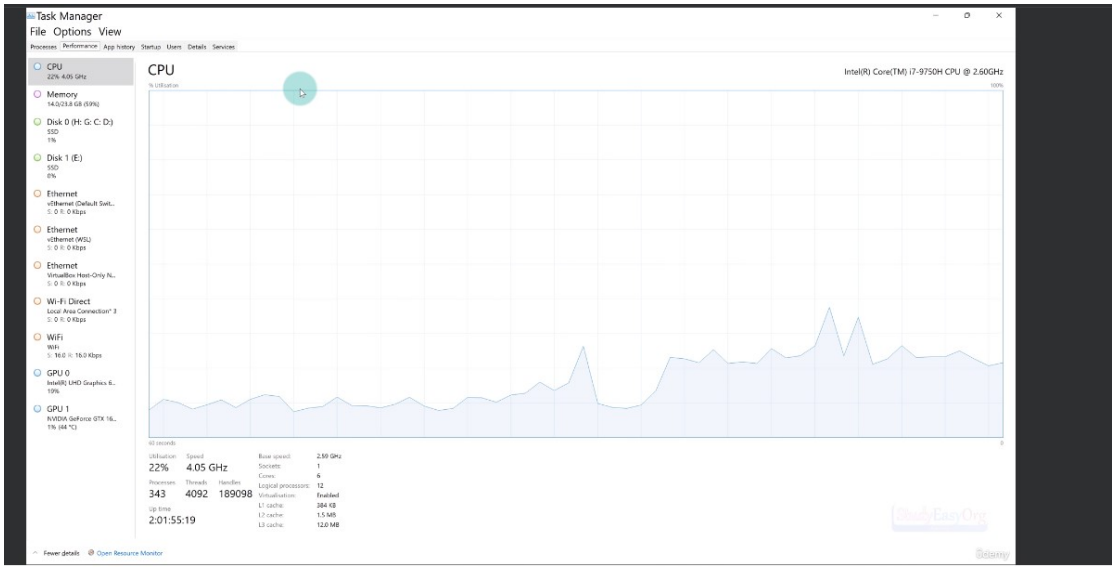
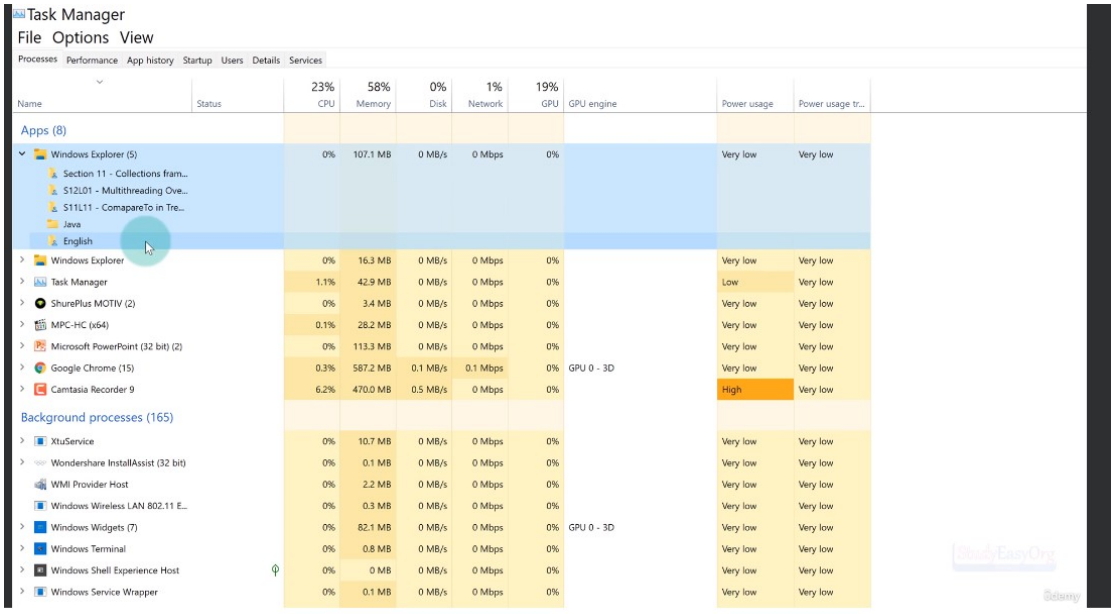
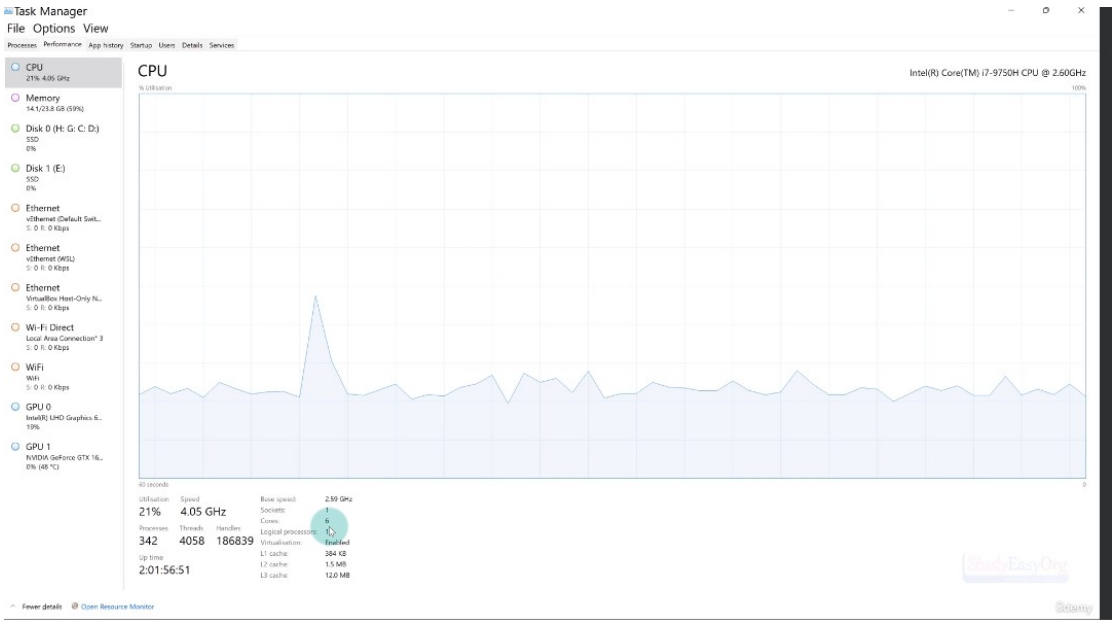

Thread
Thread
Thread
Process


Task Manager
File Options View
CPU
Intel(R) Core(TM) i7-9750H CPU @ 2.60GHz
22%
4.05 GHz
343
4092
189098
2:01:55:19

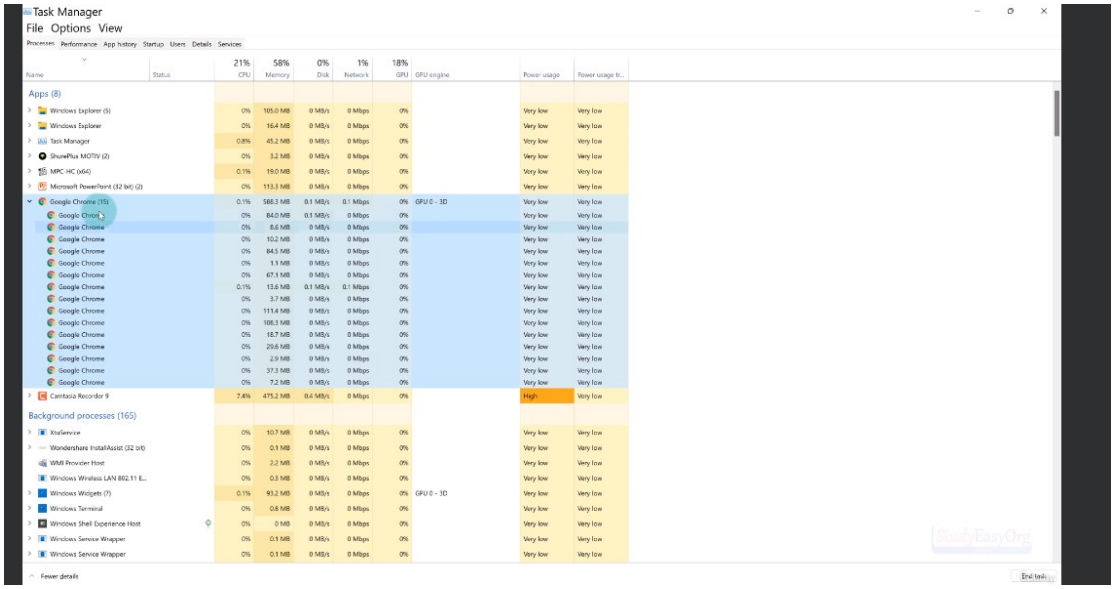

Task Manager
File Options View
Processes Performance App history Startup Users Details Services
Name Status CPU Memory Disk Network GPU GPU engine Power usage Power usage tr...
23% 58% 0% 1% 19%
Apps (8)
Windows Explorer (5) 0% 107.1 MB 0 MB/s 0 Mbps 0% Very low Very low
Section 11 - Collections fram...
S12L01 - Multithreading Ove...
S11L11 - ComapareTo in Tre...
Java
English
Windows Explorer 0% 16.3 MB 0 MB/s 0 Mbps 0% Very low Very low
Task Manager 1.1% 42.9 MB 0 MB/s 0 Mbps 0% Low Very low
ShurePlus MOTIV (2) 0% 3.4 MB 0 MB/s 0 Mbps 0% Very low Very low
MPC-HC (x64) 0.1% 28.2 MB 0 MB/s 0 Mbps 0% Very low Very low
Microsoft PowerPoint (32 bit) (2) 0% 113.3 MB 0 MB/s 0 Mbps 0% Very low Very low
Google Chrome (15) 0.3% 587.2 MB 0.1 MB/s 0.1 Mbps 0% GPU 0 - 3D Very low Very low
Camtasia Recorder 9 6.2% 470.0 MB 0.5 MB/s 0 Mbps 0% High Very low
Background processes (165)
XtuService 0% 10.7 MB 0 MB/s 0 Mbps 0% Very low Very low
Wondershare InstallAssist (32 bit) 0% 0.1 MB 0 MB/s 0 Mbps 0% Very low Very low
WMI Provider Host 0% 2.2 MB 0 MB/s 0 Mbps 0% Very low Very low
Windows Wireless LAN 802.11 E... 0% 0.3 MB 0 MB/s 0 Mbps 0% Very low Very low
Windows Widgets (7) 0% 82.1 MB 0 MB/s 0 Mbps 0% GPU 0 - 3D Very low Very low
Windows Terminal 0% 0.8 MB 0 MB/s 0 Mbps 0% Very low Very low
Windows Shell Experience Host 0% 0 MB 0 MB/s 0 Mbps 0% Very low Very low
Windows Service Wrapper 0% 0.1 MB 0 MB/s 0 Mbps 0% Very low Very low

Few Applications are running currently. These are Sub Processes.

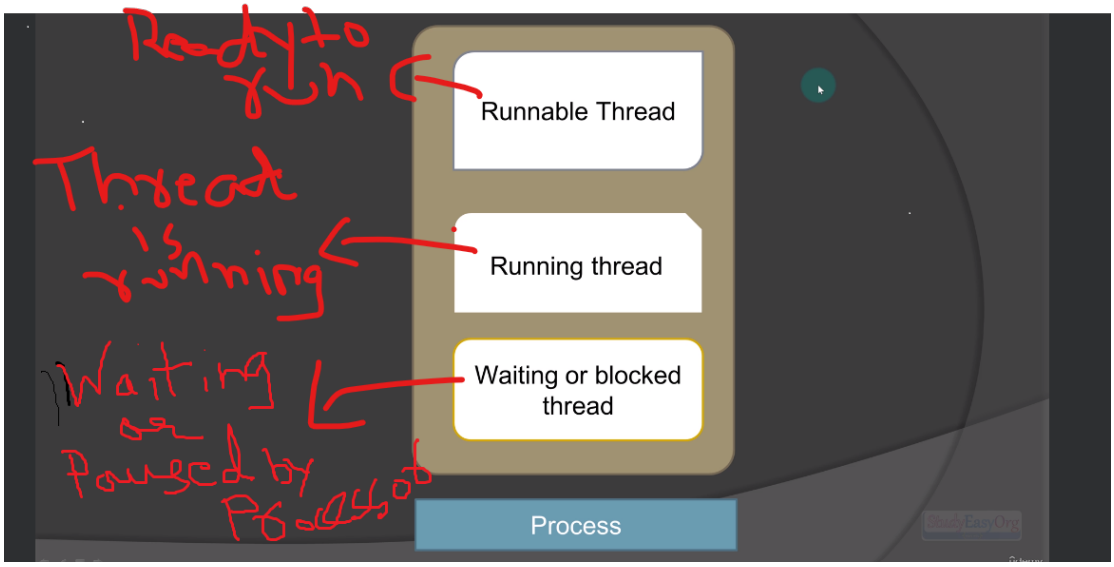


It physically has one processor. But inside the processor, if you check there are 6 cores. This means there are 6 simultaneous processors and these are like tiny processors inside an entire big processor. So we can simply say, there are 6 processor inside this.

But we see Logical processor(12), These are Threads. These 6 cores have additional threads. These threads have capability to run multiple processors simultaneously. As a result, based on the logical processors can actually run 12 simultaneous processors on this hardware.



There are (Google chrome) 15 Threads. How we are running 15 threads on a processor where we only have 12 Logical processors?



Life Cycle of a Thread