

## Question 3

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### Operating system:-

- **Kernel** :- Linux 5.13.0-51-generic(x86\_64)
- **Version** :- #58-20.04.1-Ubuntu SMP
- **C Library** :- GNU C Library/(Ubuntu GLIBC 2.31-Ubuntu9.7)2.31
- **Distribution** :- Ubuntu 20.04.3 LTS

### Kernel Modules:-

- **i915** :- Intel Graphics
- **thunderbolt**
- **ip\_tables** :- IPV4 packet filter
- **usbhid** :- USB HID core driver
- **snd** :- Advanced Linux Sound Architecture driver for soundcards
- **bluetooth** :- Bluetooth core ver 2.22
- **i2c\_nvidia\_gpu** :- Nvidia GPU I2C controller Driver

### FileSystems:-

- **/dev/nvme0n1p8 mountpoint** :- /
- **/dev/nvme0n1p9 mountpoint** :- /home

### Processor :-

- **Name** :- Intel(R)Core(TM) i7-10750H CPU@ 2.60 GHz
- **Topology** :- 1 physical processor ; 6 cores ; 12 threads
- **Logical CPU Config** :- 12x 5000.00 MHz

### Memory:-

- **MemTotal** :- 16162792Kib
- **virtual Memory** :- 2097148 Kib
- **Kernel Stack** :- 14272 Kib

### PCI Devices:-

- **Signal processing controller** :- Intel Corporation Comet Lake PCH Thermal Controller
- **USB controller** :- Intel Corporation Comet Lake USB 3.1 xHCI Host Controller
- **RAM memory** :- Intel Corporation Comet Lake PCH Shared SRAM
- **Network controller** :- Intel Corporation Wi-Fi 6 AX201

## USB Devices :-

- **3.0 root hub** Linux Foundation
- **USB Version** :- 3.10

## Battery :-

- **Capacity** :- 62/Normal
- **Battery Technology** :- Li-ion

## Sensors :-

- **thermal/thermal\_zone0** :- Temperature 42.00°C
- **../../../../nvme0/temp1** :- Temperature 41.85°C
- **../../../../BAT0/in0** :- Voltage 15.83V
- **asus-nb-wmi/fan1** Fan 2400.00RPM

## Storage :-

- **16gb RAM**
- **1Tera Byte SSD**

## DMI :-

- **Name** :- ROG Zephyrus M15 GU502LU\_GU502LU
- **BIOS Version** : GU502LU.309

## BenchMarks :-

- **CPU BlowFish** :- 0.81
- **CPU CryptoHash** :- 1290.94
- **FPU FFT** :- 0.74
- **FPU Raytracing** :- 1.33
- **GPU Drawing** :- 9451.11