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**CA2020 BootCamp- Assignment Day-1**

1 .What is Cache Memory?

* ROM (read-only memory ) contains the mechanical rotating device due to which the speed is slower to match the clock speed of the CPU, so RAM came into account which has more speed as compared to the ROM. But still, it is sometimes not able to match the clock speed of the CPU. So the Cache memory came into the picture- which is the fastest of all the memory. It is SRAM i.e. static Read-Only Memory. Its size is typically from Kilobyte or Megabyte. Data that is frequently required by the CPU is supplied by cache memory.

2 What is Disk Management?

* Disk Management is used to manage the drives installed in the computer like the Hard disks, drives (both internal and external), optical disc drives, and flash drivers. On the disk, we can basically perform two operations - read and write. On which there are three outcomes 1> successful 2> Partial failure 3> complete failure.

3 Cache vs RAM?

* The cache memory is the Static Read-Only Memory whereas the RAM is the Dynamic Read-only Memory. The cache memory is faster as compared to the RAM and even the cost of the Cache memory is higher comparatively. In short, the RAM is the memory that increases the amount of doing the task whereas the Cache is the memory used in the system to store information about the recently used app by the processor.

4 HDD vs SSD?

* HDD stands for Hard Disk Drive and SSD stands for the Solid State Drive. An HDD is an old-school storage device that uses mechanical platters and a moving read/write head to access data. An SSD is a newer, faster type of device that stores data on instantly-accessible memory chips. The main advantage of SSD is, they are faster than the HHD. HDD is relatively cheaper than the SSD.