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CA2020 BOOTCAMP- ASSIGNMENT DAY -1

Q: What is Cache Memory?

A: It is a part of a computer which is chip based and the primary purpose of cache memory is to retrieve the data from the computer's memory more efficiently. In a personal computer there are two types of commonly used cache memory i-e

1)Memory caching - it's made of high speed static ram.

2)Disk caching - it uses the same conventional main memory of the computer.

Q: What is Disk Management?

A: It is an extension of the Windows management console which allows the full management of the disk-based hardware. It is recognized by windows. It is helpful in managing the drives installed in the computer. It can be used as partition drives, format drives, etc.

Q: Cache vs RAM?

A: The difference between cache and RAM is as below

Cache:

1) A component of the computer which stores data so that future requests for that data can be implemented faster.

2) It's faster and expensive.

3) The capacity is lower and holds frequently used data by the computer.

RAM:

1) It is a form of computer storage that stores the data and the machine code which is being used.

2) It is less expensive and not fast as compared to cache.

3) It only holds the present data and the program also, it’s capacity is less then cache.

Q: HDD vs SSD?

A: HDD

1)A computer hard disk drive is a non volatile memory hardware device which controls the positioning , reading etc.

2) It's cheaper and heavier than ssd.

3) It consumes higher energy and it is less durable as compared to ssd.

4) It produces some noise due to moving parts.

5) It is in computers and pc’s.

SSD

1) A solid state device is a storage device that uses integrated circuit assemblies to store data regularly i-e flash memory etc.

2) It is costlier than hdd and easy to move because of its lightweight.

3) It has long durability and it consumes less energy as compared to hdd.

4)It has very low noise which creates less disturbance.

5) Laptop uses ssd.