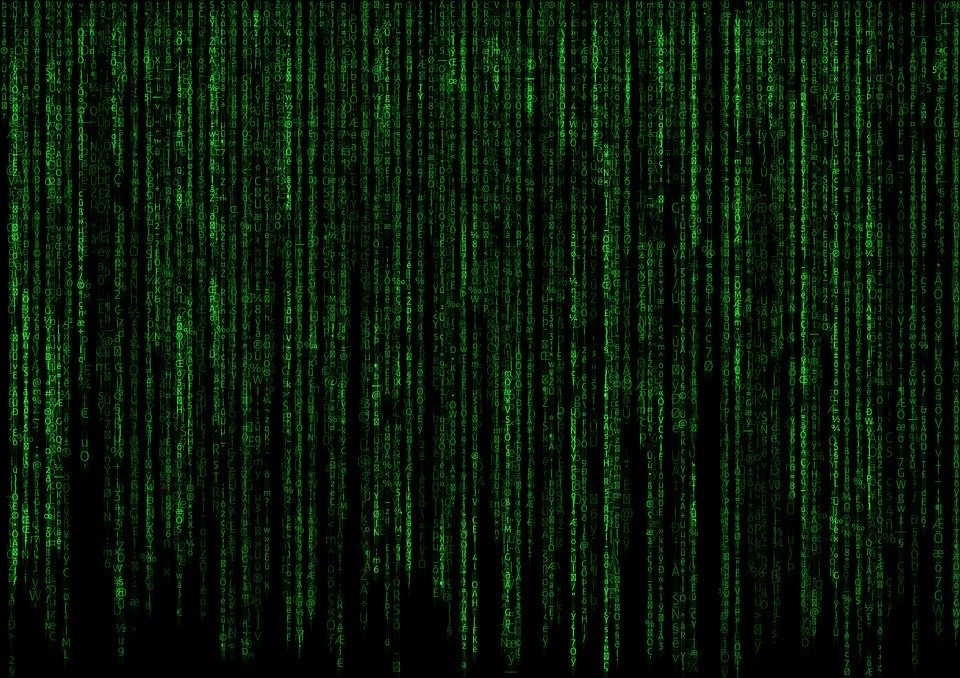
**CA2020 Software Developer Bootcamp**

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**Assignment 1**

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* **What is Cache Memory?**

Cache memory is a chip-based computer component that makes retrieving data from the computer's memory more efficient. Cache memory generally tends to operate in a number of different configurations: direct mapping, fully associative mapping and set associative mapping.

* **What is Disk Management?**

Disk Management is a utility built into different operating systems which can be used to create, delete, format partitions, assign drive letters, etc. Disk Management is used to manage the drives installed in a computer—like hard disk drives (internal and external), optical disk drives, and flash drives.

* **Cache vs Ram:**

RAM and cache memory are two members in this memory hierarchy. The difference between RAM and cache is its performance, cost, and proximity to the CPU. Cache is faster, more costly, and closest to the CPU. In use, RAM stores the programs and data that are running. On the other hand, Cache stores a copy of part of that.

* **HDD vs SSD:**

A hard disk drive (HDD) is an old-school storage device that uses mechanical platters and a moving read/write head to access data. A solid-state drive (SSD) is a newer, faster type of device that stores data on instantly-accessible memory chips. We need an HDD or an SSD to run our computer. SSD is faster and more power efficient than HDD.