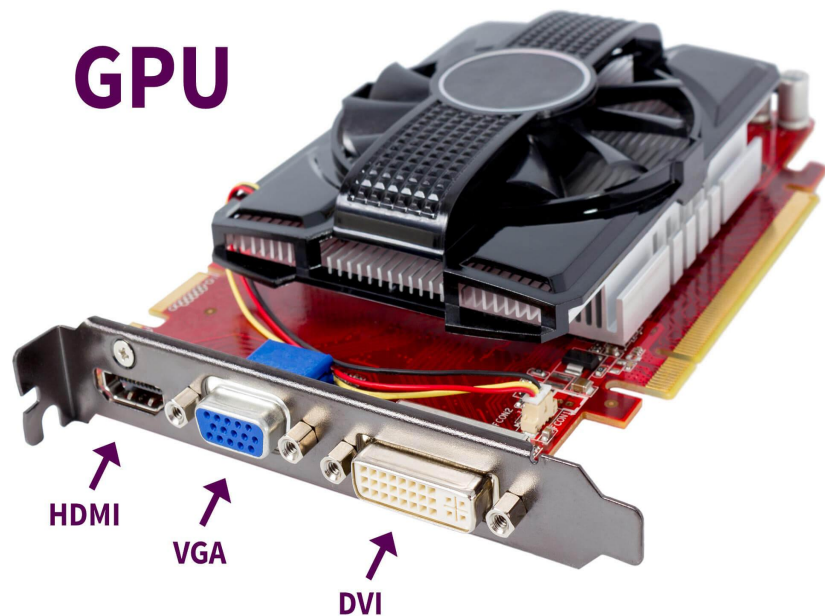


A SUMMARY ON GPUS

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COSC 354
Computer Architecture

WHAT IS A GPU ?

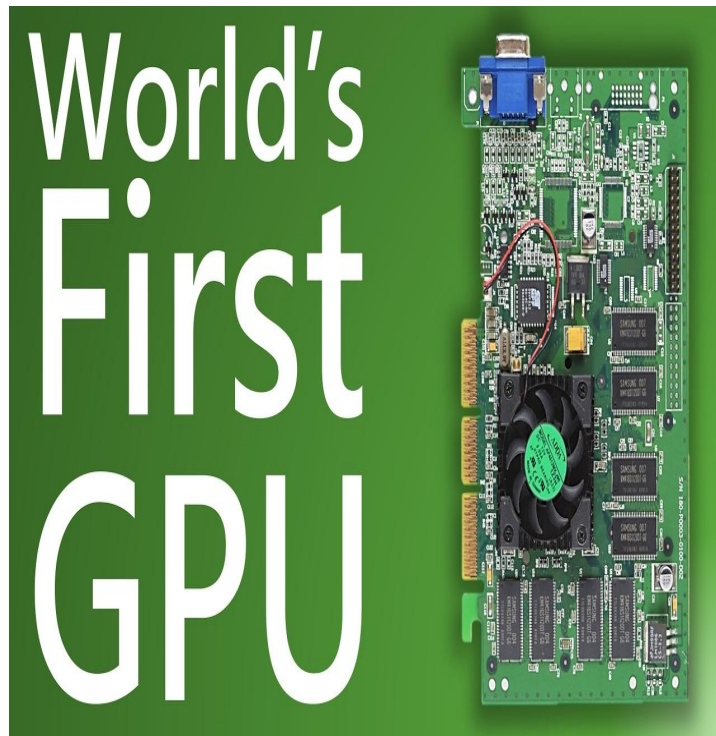
- Stands for Graphics Processing Unit
- Considered to be the creative side of the computer.
- Are essential for the success of modern supercomputing.



WHEN WAS IT CREATED ?

In 1999, the GeForce 256 graphics card was released by American technology company Nvidia.

Nvidia coined the term “GPU” and shaped the future of modern graphics processing with the GeForce 256 debut.



WHAT ARE GPUS USED FOR ?

- GPUs are used to create high-quality gaming experiences
- High quality video editing
- 3d modelling
- Innovations in fields such as machine learning and virtual reality.

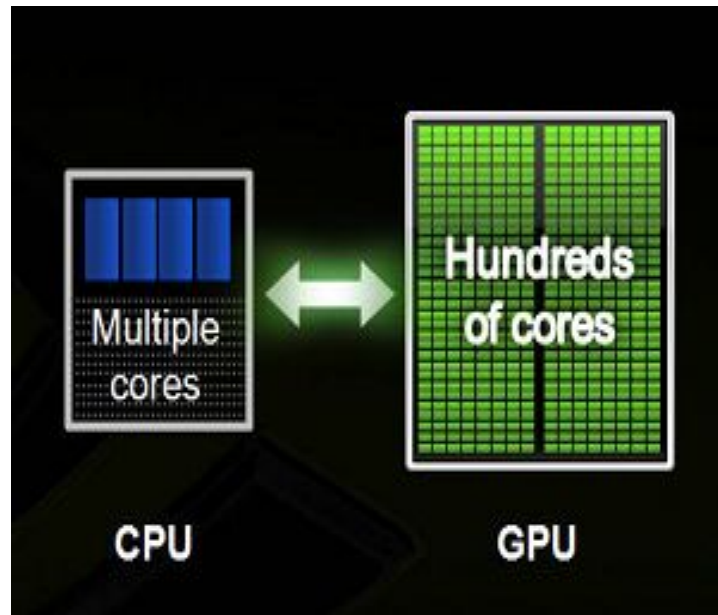


WHY ARE GPUS IMPORTANT ?

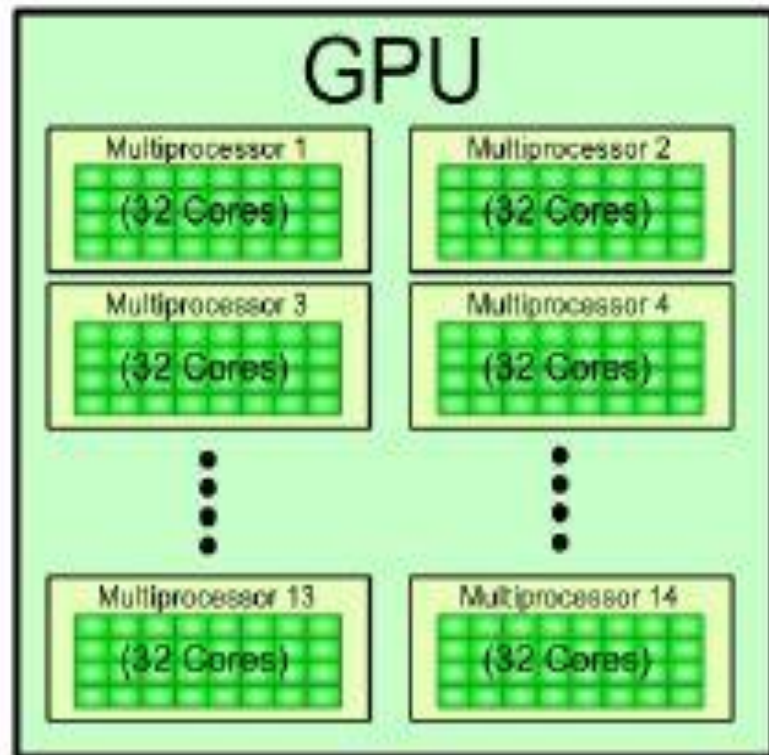
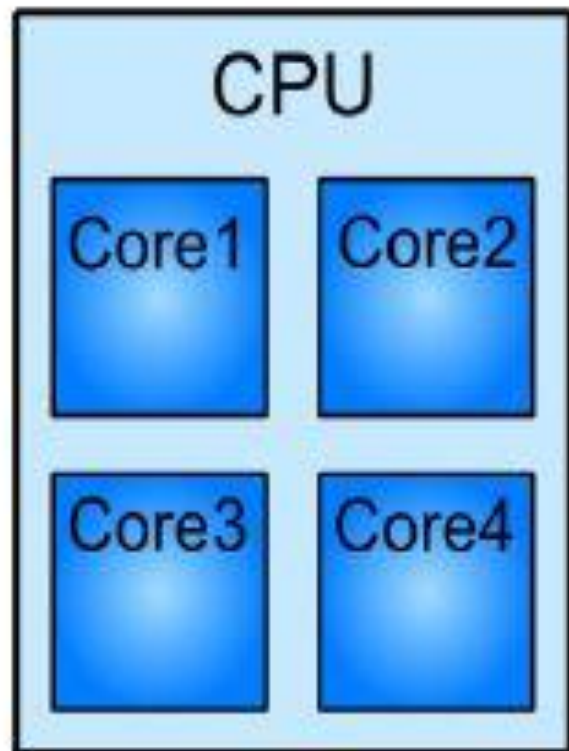
While a CPU is focused on sequential processing, GPUs are created for the sole purpose of multi-tasking.

GPU technology is advancing far faster than that of conventional CPUs.

GPUs are essential for the visual enhancements of graphics and image processing.



CPU/GPU Architecture Comparison



THANK YOU