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DEPARTMENT OF COMPUTER SCIENCE

GROUP ASSIGNMENT OF MICROPROCESSOR

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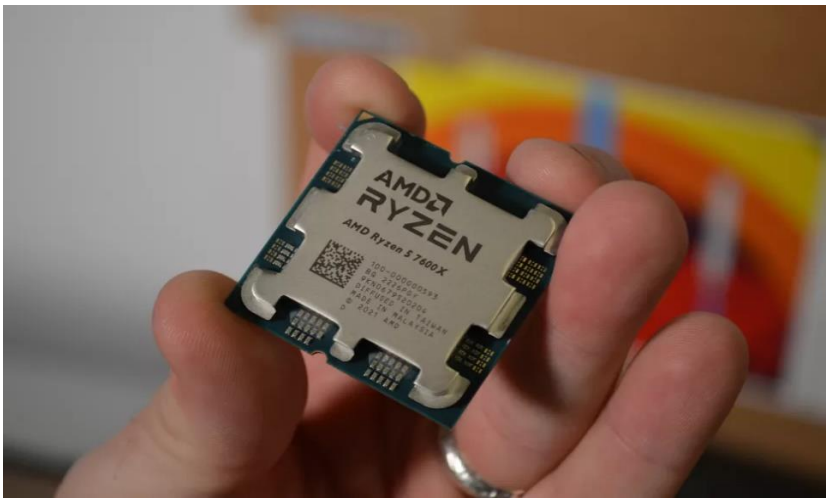
1.Write an HTML script that displays a single web page regarding the following titles.

A. MicroprocessorTecnology2022/23

- ✓ The Intel Core i9-13900K already had a very high bar to clear given the outstanding performance of the Intel Core i9-12900K, but when AMD released its Zen 4 processors in September 2022 to wide acclaim, Intel's big. LITTLE follow-up had to essentially do everything right.
- ✓ Incredibly, Team Blue manages just that with this chip. Whether it's multithreaded workloads or single-threaded ones like gaming, the Core i9-13900K simply blows away the competition here, which is all the more impressive given the phenomenal performance of the rival AMD Ryzen 9 7950X processor.
- ✓ What's more, Intel was able to do so without raising the price of the chip over the previous generation, an incredible feat given the inflationary pressures on the semiconductor industry from still-wonky supply chains and the rising costs of raw materials and other production factors.

- ✓ While still a pricey chip, the money spent is well worth the cost given the amount of performance you're getting for that money. This is a chip that will serve you very well for the long-haul.



B. Vacuum Tube

- ✓ The vacuum tube was invented by English physicist John Ambrose Fleming in 1904 as a basic component for electronic devices and used throughout the first half of the twentieth century. It brought about great innovations in television, radio, radar, sound recording and reproduction, telephone networks, industrial automation and, most importantly, the development of analog and digital computers. It was essentially the predecessor of the modern transistor, which brought about a revolution in technology and paved the way for the development of the personal computer.
- ✓ The vacuum tube was composed of a cathode that produces electrons and an anode that collects the electrons, at least the very basic ones called a diode; however, other types of vacuum tubes existed that were classified according to the number of electrodes present. These electrodes are then enclosed in a casing, usually glass, with all the air removed since air can act as a conductor when energized enough, becoming a pathway for electrons in the same way that lightning travels through the air. So, because of the shape of the vacuum, it became commonly known as the vacuum tube.

C. Evolution of Sensors

- ✓ The evolution of sensor technology in recent years has radically increased the level of intelligence that can be built and engineered into products. This, in turn, has revolutionized numerous aspects of day-to-day life, making countless activities (from travel, to fitness, to turning on lights) not only easier but often safer and more efficient.

D.ARM

- ✓ Arm is a RISC (reduced instruction set computing) architecture developed by the company Arm Limited. This processor architecture is nothing new. It was first used in personal computers as far back as the 1980s.

- ✓ However, you're unlikely to see a device labelled as featuring an 'Arm' processor like you do with AMD and Intel powered machines. That's because Arm Limited licenses the architecture to third-party companies so they can develop their own custom-made processors.