Computers are transformative devices that have revolutionized nearly every aspect of modern life, serving as indispensable tools in fields ranging from education and healthcare to entertainment and business. At their core, computers are electronic machines designed to process, store, and retrieve data using a combination of hardware—such as processors, memory, and storage devices—and software, which includes operating systems and applications. They operate on binary code, a system of ones and zeros, to execute complex instructions at remarkable speeds, enabling tasks like data analysis, communication, and automation. From the room-sized mainframes of the mid-20th century to today's sleek laptops, tablets, and smartphones, computers have evolved dramatically, becoming more powerful, compact, and accessible. Their ability to connect to the internet has further amplified their impact, fostering global connectivity, enabling remote work, and driving innovations like artificial intelligence, cloud computing, and the Internet of Things, while also raising challenges related to cybersecurity, privacy, and digital equity.