Introduction to Computer o Definition 1 Dr. Samia Noureddine What is a Computer??Programming languages consist of a set of rules that allows string values to be converted into various ways of generating machine code ?The description of a solution to a problem must be articulated using one of the programming languages available.?Examples of programming languages include Pascal, BASIC, C, Delphi, Java, Python, Matlab, and many more.It consists of: o an Arithmetic/Logic Unit (ALU) where math and logic operations are performed, o a Control Unit (CU) which directs most operations by providing timing and control signals, o and Registers that provide short-term data storage and management capabilities while the CPU processes information.Units 1 Byte (B) = 8 bits 1 Kilo Byte (KB) = 2^10 bytes = 1024 bytes 1 Mega Byte (MB) = 2^20 bytes = 1024 KB 1 Giga Byte (GB) = 2^30 bytes = 1024 MB 1 Tera Byte (TB) = 2^40 bytes = 1024 GB Peta Byte, Exa Byte...o Read Only Memory (ROM) o Permanent storage of programs, meaning that its content is fixed by the manufacture during the fabrication process, and it can't be modified or changed by users o Holds the computer boot directions, it means that ROM contrains a small program called BIOS, which execute the operating system like Windows.o Software Runs The Machine o Tells the computer what to do o Reason people purchase computers 23 Dr. Samia Noureddine o It is the initial program in a computer system, it is installed in hard disk, o It allows for the management of hardware and other software; acting as the interface between hardware, application software, and the user.Introduction to Computer 9 o Definition 2 Dr. Samia Noureddine Today, computers have become indispensable, they play a vital role in transforming how we communicate, learn, work, entertain, and innovate in the modern world.o Example : Introduction to Computer 1-Operating System o The Software part Dr. Samia Noureddine 24 Windows MacOS Linux o These operating systems have evolved over time, so there are several versions of them.Communication: Connecting people globally, through email, social media and messaging apps.?Software ???.????2.3.4.5.6.7.8.9.2.3.4.7