

**Software** - Also called a program. Consists of a series of related instructions, organized for a common purpose, that tells the computer what tasks to perform and how to perform them.

**Graphical User Interface (GUI)** - Interact with the software using text, graphics, and visual images such as icons.

**Operating System** - A set of programs that coordinates all the activities among computer hardware devices. (Windows, Linux, and macOS)

**Utility Program** - Allows a user to perform maintenance-type tasks usually related to managing a computer, its devices, or its programs. (File Explorer, Anti-Virus Software, and Task Manager)

**Application Software** - Consists of programs designed to make users more productive and/or assist them with personal tasks. (Google Docs, Google Slides, and Databases)

**Programmer** - Sometimes called a computer programmer or developer. Someone who develops software or writes the instructions that direct the computer to process data into information.

**Categories of Computers** - Personal computers (desktop), mobile computers and mobile devices, game consoles, servers, mainframes, supercomputers, and embedded computers.

**Personal Computer** - A computer that can perform all of its input, processing, output, and storage activities by itself.

**Mobile Computer** - A personal computer you can carry from place to place.

**Tablet PC** - A special type of notebook computer that you can interact with by touching the screen with your finger or a digital pen. Has a detachable keyboard or no keyboard.

**Server** - Controls access to the hardware, software, and other resources on a network and provides a centralized storage area for programs, data, and information.

**Mainframe** - A large, expensive, powerful computer that can handle hundreds or thousands of connected users simultaneously.

**Supercomputer** - The fastest, most powerful computer - and the most expensive. The fastest supercomputers are capable of processing more than one quadrillion instructions in a single second.

**Embedded Computer** - A special-purpose computer that functions as a component in a larger product.

**Categories of Software** - The two categories of software are system software and application software.