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1. **Operating System (OS)**

Definition: is system software that manages hardware and software resources, and acts as a daemon for computer programs.

Example Windows 11 is one of the most widely used **operating systems** in the world

2. **Kernel**

Definition: The core part of the operating system that controls the computer's hardware and resources.

Example: The Linux **kernel** is known for its stability and security features.

3. **Cache**

Definition: A small memory that stores temporary data to speed up access to frequently used information.

Example: The browser **cache** stores website data to load pages faster next time.

4. **Firewall**

Definition: A security system that protects computer networks from malicious access.

Example: I activated the **firewall** on my laptop to make it safer from virus attacks.

5. **SSD (Solid State Drive)**

Definition: A type of data storage that is faster and more durable than traditional hard drives (HDDs).

Example: Compared to traditional hard drives, **SSDs** consume less power and generate less heat.

6. **Overclocking**

Definition: The process of increasing the clock speed of a computer component such as a CPU or GPU to achieve higher performance.

Example: **Overclocking** your processor can boost performance, but it may also generate more heat.

7. **UI (User Interface)**

Definition: The visual appearance of an application or website that allows users to interact with it.

Example: The new app has a clean and modern **user interface**.

8. **API (Application Programming Interface)**

Definition: A set of rules that allow programs to communicate with each other.

Example: Developers use **APIs** to integrate third-party services into their applications.

9. Binary

Definition: The base two number system used by computers (0 and 1).

Example: All data on the computer is converted into **binary** format before being processed.

10. Cookie

Definition: A small data file stored on a user's browser to track website activity.

Example: Online advertising platforms use **cookies** to track your browsing habits and show personalized ads based on your interests.