

Examples:

Microsoft Word, Google Chrome, and Windows OS

4. OS (operating systems)

An Operating System's Features: -

- Manages resources for software and hardware Provides a GUI or CLI user interface
- Controls how files are managed
- Manages allocation of memory
- Ensures access control and security

Some OS examples: -

1. Windows (friendly to users and widely used)
2. Linux (secure, open-source)
3. macOS (Unix-based, part of the Apple ecosystem)

5. Algorithms, Programming, and More What exactly is a programming language?

Common Programming Languages: -

- A. Python (simple syntax, applications in AI/ML)
- B. Java (platform-independent, business applications)
- C. C/C++ (System programming, high performance)
- D. JavaScript (for front-end and back-end web development)

What exactly is an algorithm?

a methodical approach to problem-solving

Examples:

(Bubble Sorting and Binary Search)