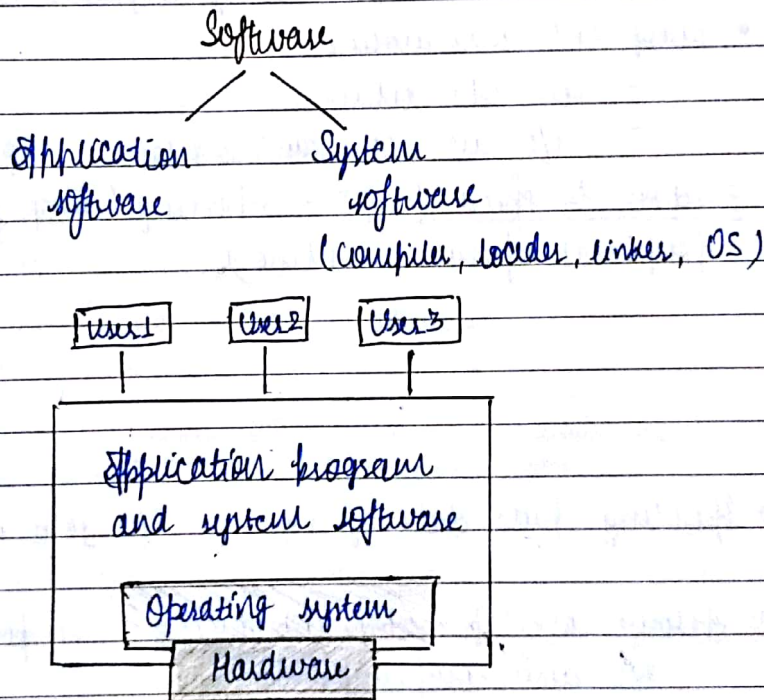


### Recommended books

- Operating system concepts - Silberschatz, Galvin, Gagne
- Modern operating system - A.S. Tanenbaum
- Operating system - J.A. Harris

**Computer** - An electronic machine that performs operations on data. Calculator is a fixed program computing device.

**Software** - A set of programs that does some operations on a piece of data to solve a specific problem.



**Bootstrap loader** - It is a collection of programs that checks if hardware devices are in working order and responding, and loads important parts of operating systems into the primary memory.

**Operating system** • Resource allocator and manager.  
 • It is a system <sup>software</sup> program that provides a bridge b/w application software and hardware, allocates memory for programs, handles interrupts and I/O devices and manages replacement of cache blocks and memory pages.  
 • Resources - CPU time, memory, I/O