



# ***UNIT-III***

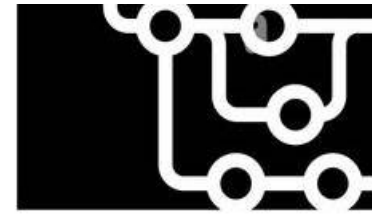
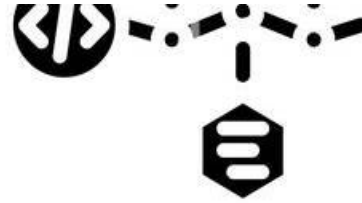
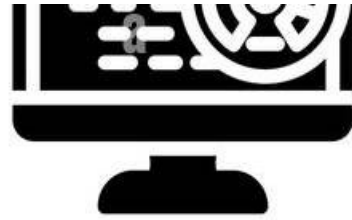
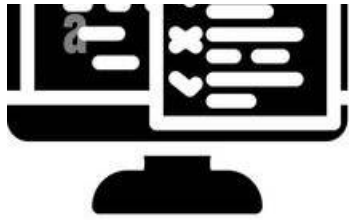
# ***COMPUTER***

# ***SOFTWARE***

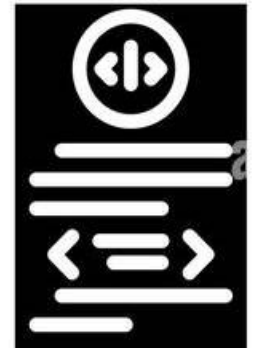
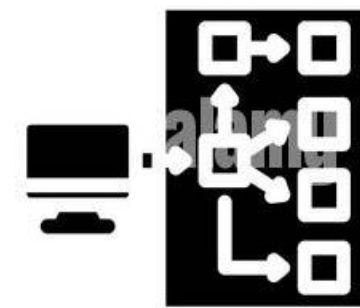
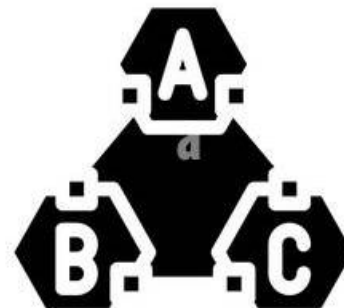
A.V. Samanvitha

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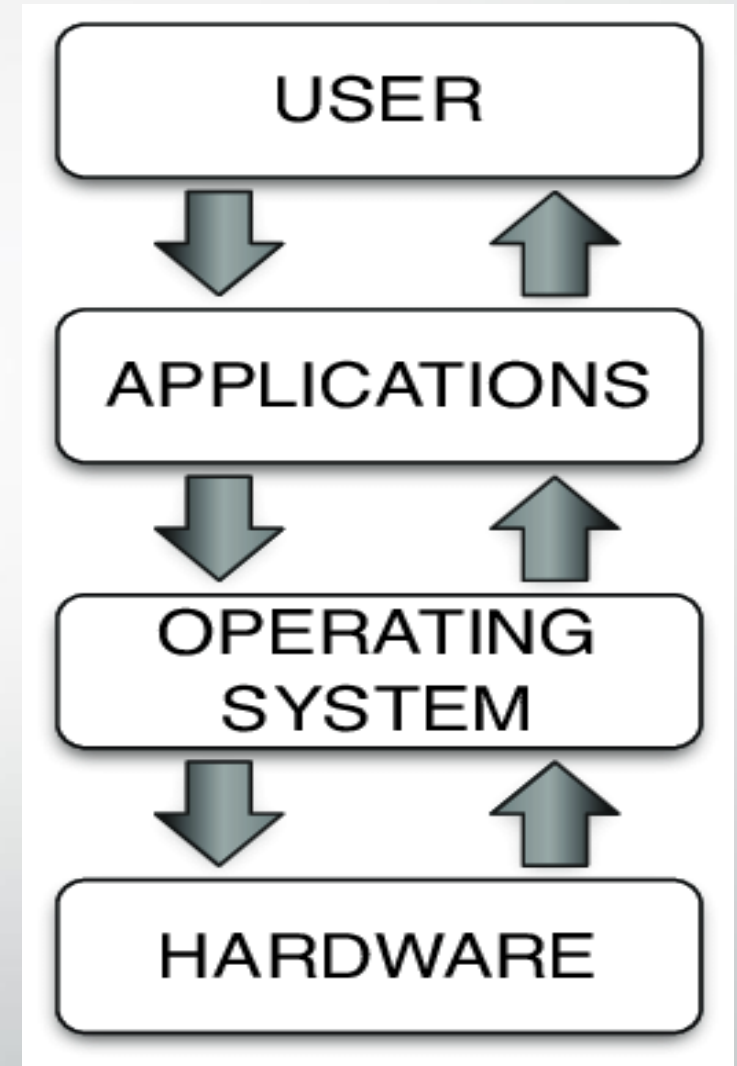
CSE-1



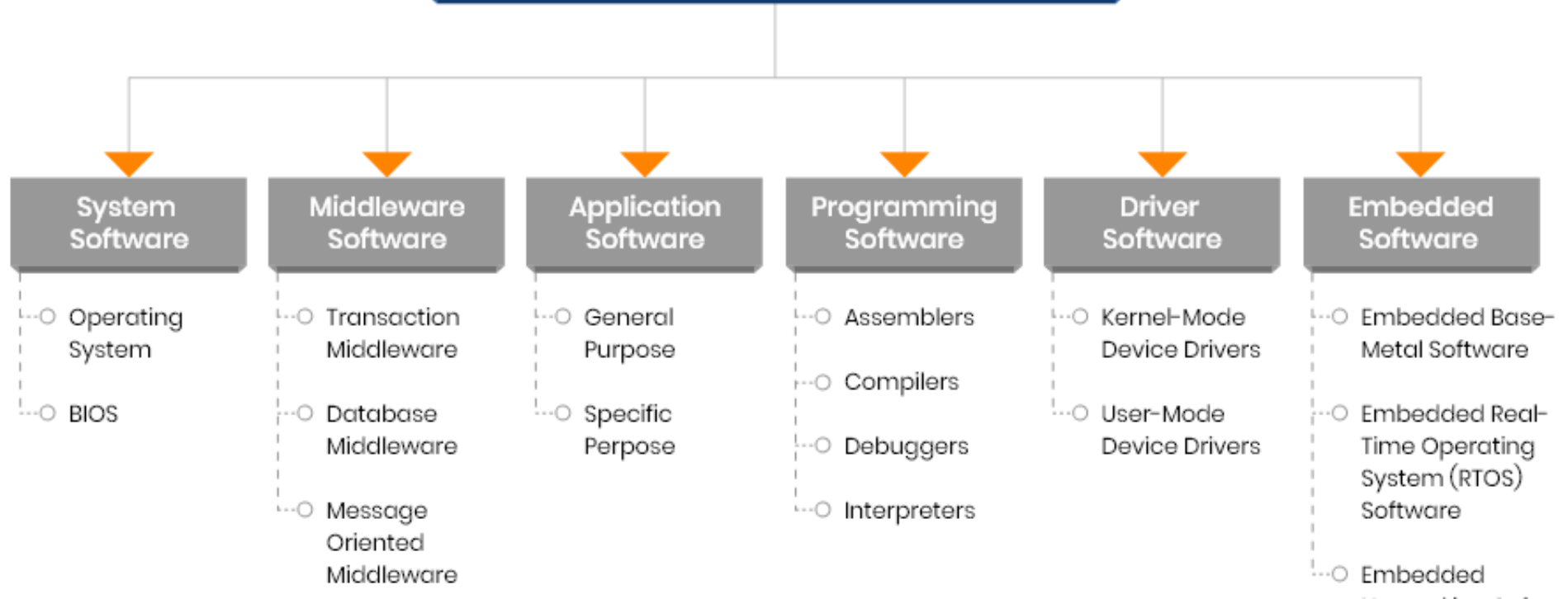
# SOFTWARE



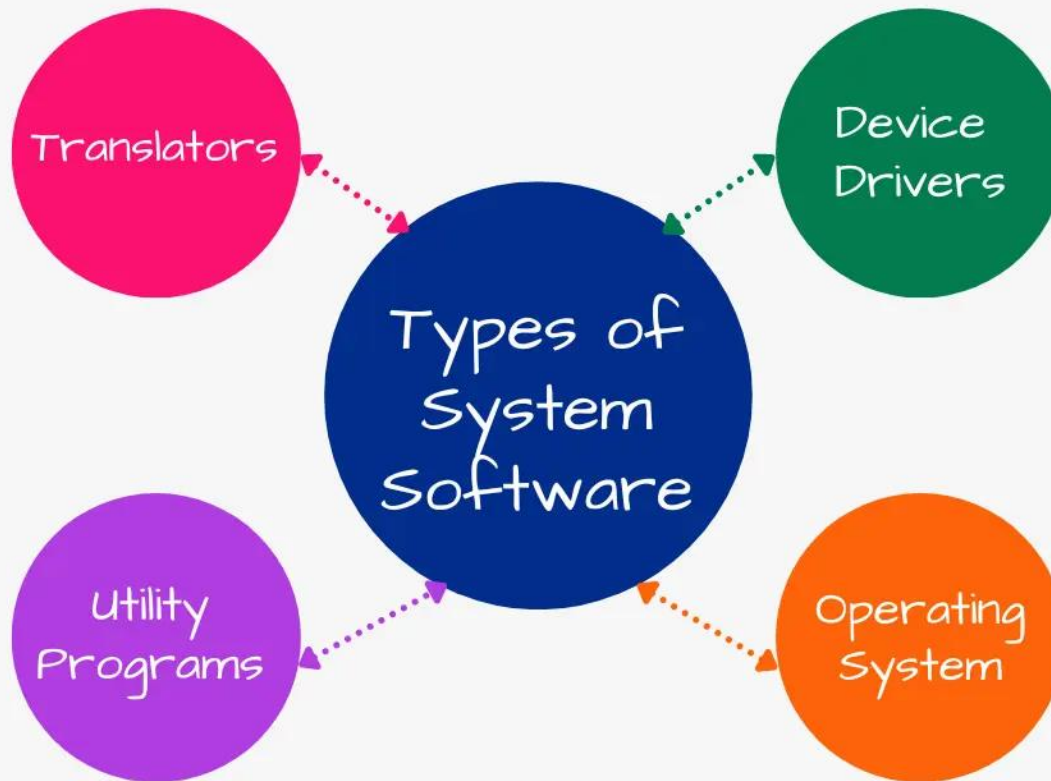
- **Computer software** is a collection of programs, data, and instructions that enable a computer to function and carry out specific tasks.
- **Computer software** can also be defined as a set of instructions and programs that enable a computer to perform specific tasks.



# Types of Software



## System Software Types



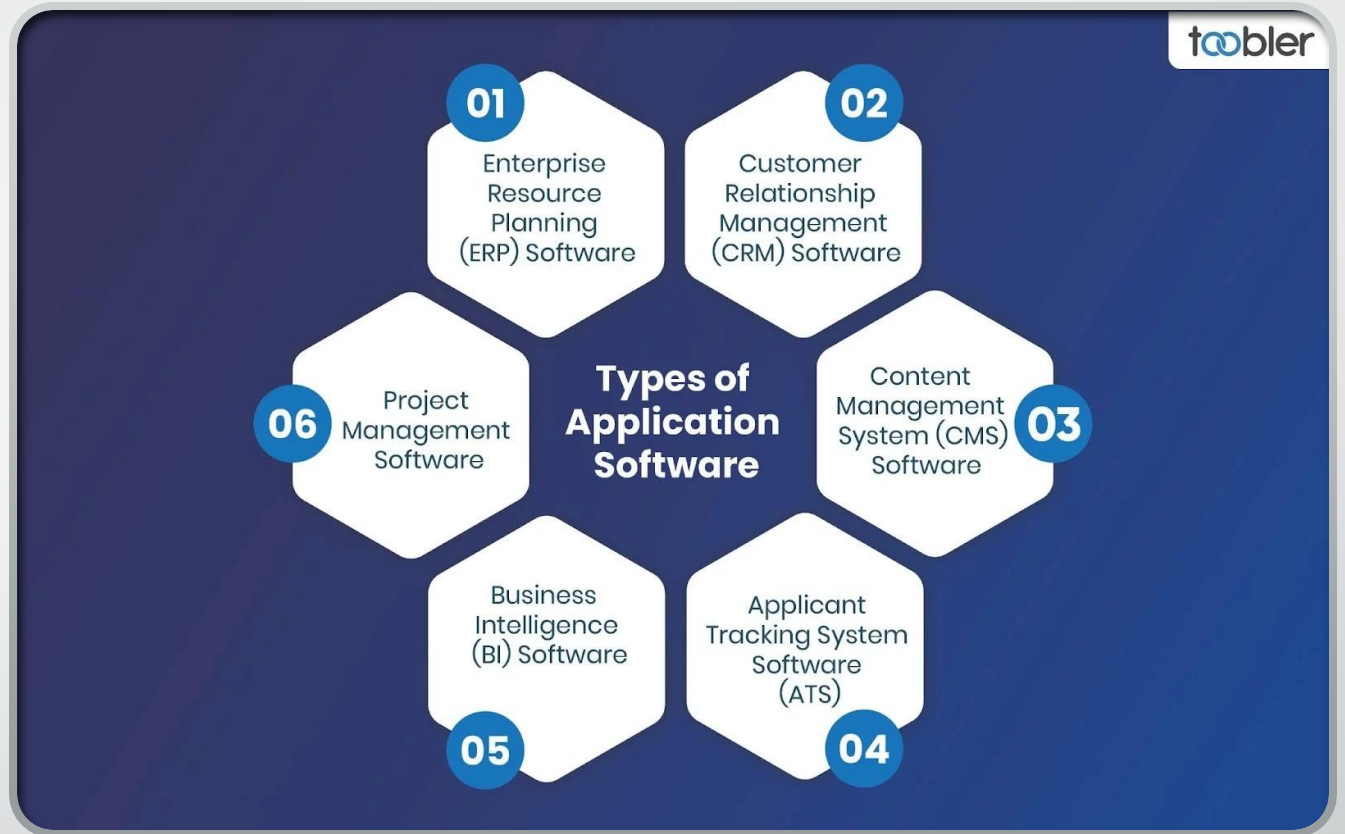
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### System Software

This includes the operating system, which manages hardware resources and provides a platform for running application software. Examples include Windows, macOS, and Linux.

## Application Software

These are programs designed to help users perform specific tasks, such as word processing, graphic design, or data analysis. Examples include Microsoft Word, Adobe Photoshop, and web browsers.



Difference Between System Software and Application Software	
System Software	Application Software
This acts as an interface between the system and the applications	This is designed directly from the user perspective
It is the platform that allows the various application software to run on the system	These are independent applications which can be download and installed in the system
These are responsible for the working of the system	They have minimum involvement in the processing and functioning of the computer device
It is an independent software. Once this is installed the computer will work	This is a dependent software. Applications can only be downloaded when the operating system is installed
Example for System Software includes Android, Mac Operating system, MS Windows, etc.	Examples of Application Software includes Word Processor, games, media player, etc.



### Graphics software

It refers to applications and tools designed for creating, editing, and manipulating visual content such as images, illustrations, and animations.



## Multimedia software

It refers to applications that allow users to create, edit, manage, and present content that combines various forms of media, such as text, audio, images, animations, and video.

### Examples of Multimedia Software



Adobe Photoshop



CorelDRAW



Autodesk Maya



Adobe Audition



Blender



Avid Media Composer



Adobe After Effects



Unity

# Types of Data Management



Master Data Management (MDM)



Data Warehouse Management



Data Governance



Data Quality Management (DQM)



Big Data Management



Metadata Management



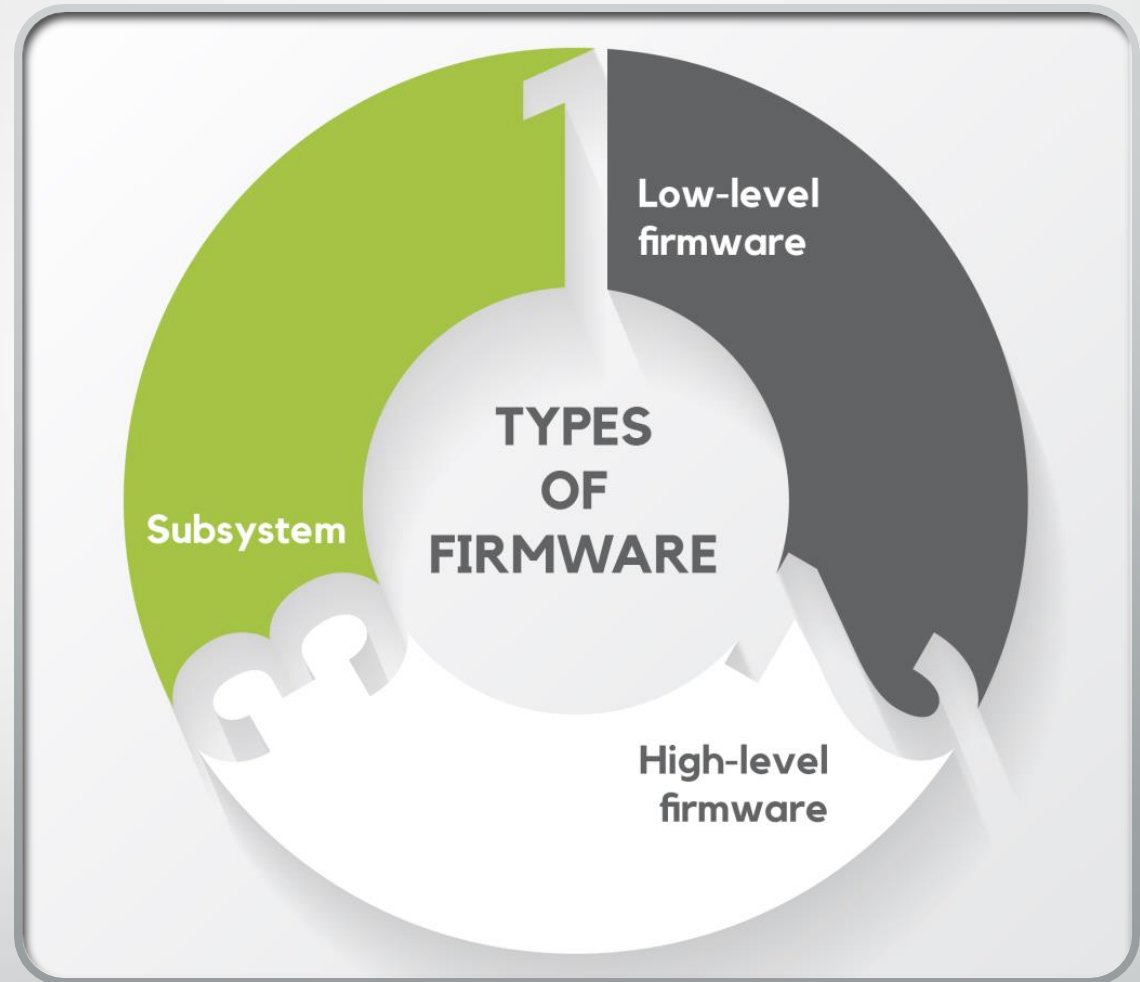
Data Integration

## Database Management Software (DBMS)

It is a type of software that facilitates the creation, management, and manipulation of databases. A DBMS allows users to efficiently store, retrieve, and manage data while providing tools for data organization, security, and access control.

## Firmware

It is a specialized type of software that is embedded into hardware devices to control and manage their functions.





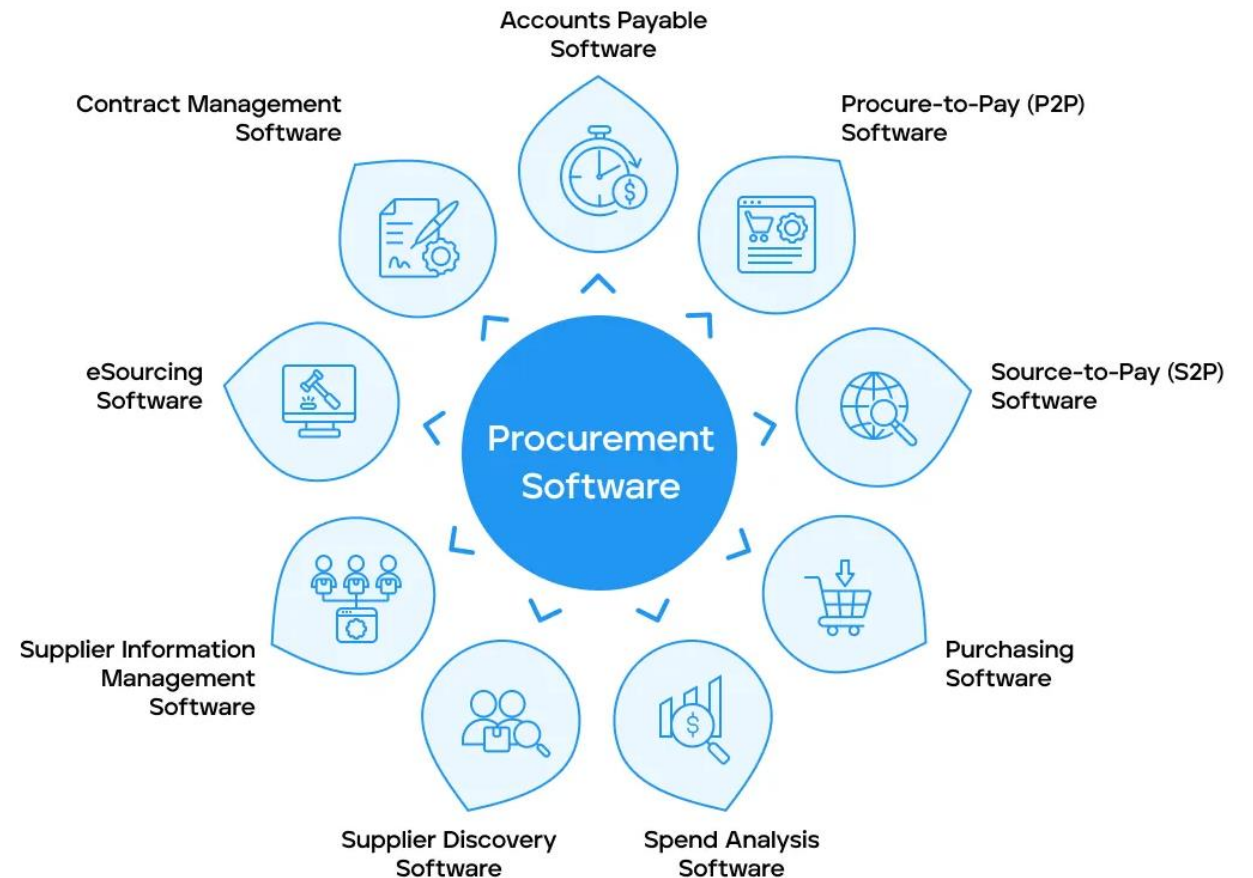
## Middleware

It is a type of software that acts as an intermediary layer between different software applications or components, enabling communication and data management across heterogeneous systems.

## Procuring computer software

It refers to the process of acquiring software products or services to meet specific business, organizational, or individual needs.

## Types of Procurement Software



An isometric illustration of a person sitting at a desk, working on a computer. The desk has a monitor displaying code, a keyboard, and a mouse. A cup is also on the desk. The person is seen from the side, wearing a dark shirt. The entire scene is set within a circular base. Floating around the desk are several square icons: a magnifying glass, 'Js' (JavaScript), '</>' (HTML/XML), and 'C++'.

## Conclusion

Ultimately, software is as an interface between user application programs and the computer hardware.





*Thank you*