



SOFTWARE AND ITS TYPES

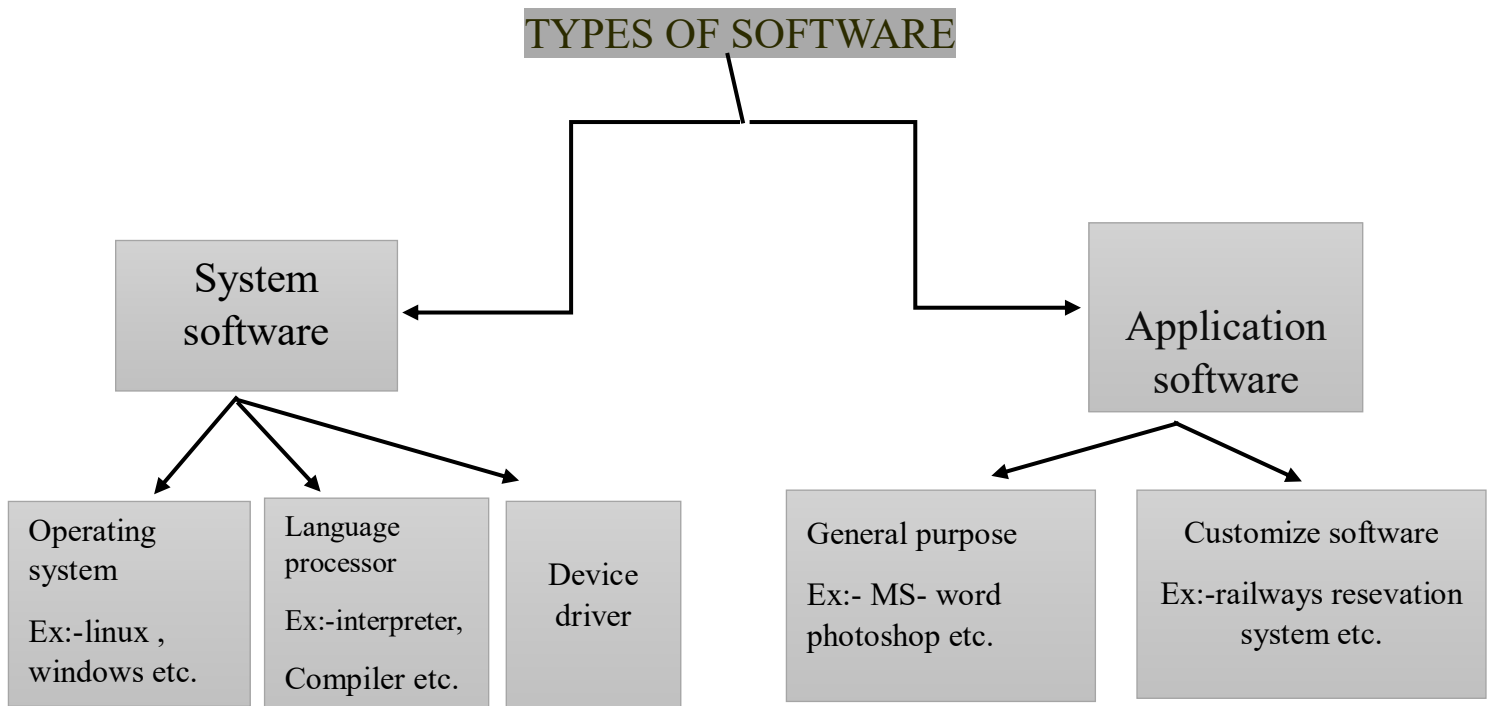


INTRODUCTION

Ques1) what is software?

- It is a collection of program.
 - Software is basically a set of instructions or commands that tell a computer what to do.
 - It is a computer program that provides a set of instructions to execute a user's commands and tell the computer what to do.
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Ques 2) Types of software?



System software :-Software that directly operates the computer hardware and provides the basic functionality to the users as well as to the other software to operate smoothly.

Types of system software:-

- 1) **Operating system** :- It is the main program of a computer system. when the computer system ON it is the first software that loads into the computer's memory. Basically , It manages all the resource such as computer memory ,CPU ,printer hard disk etc.

- 2) **Language processor** :- AS we know that system software converts the human readable language into a machine language and vice versa. It converts programs written in high-level programming languages like JAVA, C, C++, PYTHON etc into sets of instructions that are easily readable by machines.
- 3) **Device Driver** : -A device driver is a program or software that controls a device and helps that device to perform its functions. Every device like a printer, mouse, modem, etc. needs a driver to connect with the computer system eternally. So, when you connect a new device with your computer system, first you need to install the driver of that device so that your operating system knows how to control or manage that device.

Application Software :- Software that performs special functions or provides functions that are much more than the basic operation of the computer is known as application software.

Types of application software

- 1) **General Purpose Software**:- This type of application software is used for a variety of tasks and it is not limited to performing a specific task only. For example, MS-Word, MS-Excel, PowerPoint, etc.
 - 2) **Customized Software**:- This type of application software is used or designed to perform specific tasks or functions or designed for specific organizations. For example, railway reservation system, airline reservation system, invoice management system, etc.
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Ques 3) Difference between frontend software and backend software?

Ans :-

	FRONTEND SOFTWARE	BACKEND SOFTWARE
Definition	Direct interact with users. It is a part of application software. And It is also known as the client side.	Is the part of application that runs on the server.it is also known as server side.
Technologies	Html,CSS,Javascript etc.	Python ,ruby ,java ,node.js ,php, database(mysql,oracle,,DB2)
Responsibilities	The frontend handles the layout, design and user interface. It also manages user interactions and communicates with the backend to fetch or send data.	The backend handles data storage, retrieval and manipulation. Its also manages communication between the database and the frontend ,ensuring data is sent and received correctly. ,ensuring

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=====ENDING=====

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