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# **Computing**

## **Grade 7**

(Instructional Resource)

|                    |                                    |
|--------------------|------------------------------------|
| <b>UNIT/STRAND</b> | <b>4: Computer Systems</b>         |
| <b>TOPIC</b>       | <b>Types of Software</b>           |
| <b>Sub Topics</b>  | <b>Application/System software</b> |
| <b>Session</b>     | <b>2025-26</b>                     |
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SuperNova School – Computing – Grade 7 – Unit 1



# Computer Systems - Types of software



## Application Software

- Definition:

- Application software is a program or group of programs designed for end-users to perform specific tasks.
- The word **app** is short for application.
- 'Application' is another word we can use for a program or a piece of a software.
- Smartphones and tablet apps are application software.

- Examples:

- Writing documents
- Browsing the internet
- Editing photos
- Managing finances

A software is a set of instructions, data, or programs used to operate computers and perform specific tasks. It's the opposite of **hardware**, which refers to the physical components of a computer (like the keyboard, hard drive, or screen).

# Computer Systems – Types of Software



## Application Software

- Characteristics of Application Software

- User-oriented
- Easy to use
- Designed for specific purposes
- Can be standalone or web-based

- Examples of Application Software

- Software

- MS Word
- Excel
- Adobe Photoshop
- Google Chrome
- Zoom

- Purpose

Word processing  
Data organization  
Image editing  
Web browsing  
Video conferencing



# Computer Systems – Types of s/w



## System Software

- **Definition:**
- System software is a type of computer program designed to run a computer's hardware and application programs.
- **Key Role:**
- It acts as a bridge between hardware and user applications.

### Functions of System Software

- Controls and manages hardware components
- Provides a platform for application software
- Manages system resources
- Facilitates user interaction with the machine





## System Software

### Types of System Software

- Operating System (OS)
- Manages hardware and software resources
- Examples: Windows, Linux, macOS
- Utility Programs
- Perform maintenance tasks
- Examples: Antivirus, Disk Cleanup, Backup tools



# Computer Systems – Application vs. System Software



## Difference between Application and System software

| <u>Application software</u>                         | <u>System software</u>  |
|---|---|
| Allows the user to do specific task.                | Enables the system to function. Provides right condition for the application software |
| Not essential for system to run                     | essential for system to run   |
| Only runs when user asks                            | Usually runs when the device is active without any action from the user               |
| User is aware of it. Uses it directly               | User is not aware of it. Runs in the background                                       |
| Interacts with the system software not the hardware | Interacts closely with the hardware.  |

- Learners will do Question 4.2 and 4.3 given on book pg 244-245 in the booklet.**
- What are two examples of application software?
  - What is the purpose of application software?
  - What are the two examples of system software?
  - What is the purpose of system software?