

File_L_O In C- C Tutorial In Hindi #62.mp4 - VLC media player

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WHY DO WE NEED A FILE?

- Files are used to store data and information
- Files are used to read & access data anytime from the hard disk
- Files make it easy for a programmer to access and store content without losing it on program termination

exe

data

Information

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VOLATILE VS NONVOLATILE MEMORY

✓ Volatile Memory ✓ RAM

- ✓ Volatile memory is computer storage that only maintains its data while the device is powered.
- ✓ The RAM will hold data, programs, and information as long as it has a constant power supply but immediately the power is interrupted all that content is cleared.
- ✓ The Volatile memory will only hold data temporarily.

Non Volatile Memory ✓ HARD DISK

- ✓ Non-volatile memory is computer memory that can retain the stored information even when not powered.
- ✓ This type of memory is also referred to as permanent memory since data stored within it can be retrieved even when there is no constant power supply.
- ✓ It is used for the long-term storage of data.

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WHY DO WE NEED FILES?

- ✓ When a C program is terminated, the data stored in ram is lost. *Random*
- ✓ Storing in a file will preserve our data even after the program terminates.
- ✓ RAM is not able to handle quite large amount of data due to its small size relative to the hard disk.
- ✓ It is easy to transfer data as files

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TYPES OF FILES

- ✓ There are two types of files:
 - ✓ Text files *Plain text*
 - ✓ Binary files *0 1*

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FILE OPERATIONS IN C

■ In C we can perform these high level operations on files:

1. Creating a new file
2. Opening a file
3. Closing a file
4. Reading from and writing to a file

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