*- В чому суть операції монтування, для чого вона використовується та як?*

A mount operation refers to the process of attaching a file system that resides on an external device (e.g., a hard drive, a USB drive, a network resource, etc.) to a mount point called a mount point. The essence of mounting is that the contents of the file system become available on the system as a subtree of directories using a mount point. This allows users and applications to access files and directories located on the external device, as well as files and directories located on the local disk.

Mounting is used for various purposes, including:

**Expansion of storage space:** Mounting an external device (such as a USB drive or network resource) allows you to expand the storage space.

**Data backup and recovery:** External devices can be mounted to back up data or to restore data from backups.

**Data exchange between systems:** Mounting network resources allows data to be exchanged between different computers on a network.

**Performing various file system operations:** Mounting allows performing various file system operations such as viewing, copying, moving, etc.

The mount process can be performed manually using command line commands such as mount. There are also graphical user interfaces for mounting devices on many operating systems. In most cases, the operating system automatically mounts external devices if they are connected to the system.