

Lab 3 : Filesystem

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Course : DV1629

Home Assignment 4

How long file or directory names can be stored (including file extension) in a directory entry?

The max file characters we can store is 255 char

How many files or directories can each directory contain?

In Fat we can have 268,173,300 files and 65,535 directories

Task 1. Implementation of basic file operations

Format:

In the format command we declare the first block to root block and the second block are fat block then filling the Fat blocks table with free blocks (set the blocks to zero) then we fill the directory table with free directories then we initialize the root directory first block, type, and access rights to rwx (7) and then we set the first block in the directory table as the root directory then we update the disk by writing into the blocks the new root directory.

Create: