i-node based file systems are used in UNIX base file system. Every file referred with i-nodes and each file nodes are saved in i-node table with name of file, permission of files and block address of file etc. On the other hand, FAT based file systems are used in Windows. It has some limitations over size of files. One of the most clear advantages on i-node base file systems over FAT base is this: i-node can support lots of memories than FAT. Secondly, i-node base file systems are also virtual file systems while FAT is not as comes of virtuality. It support abstraction so user only knowns operations. How to doing is OS’s job. Lastly, hardlink is not a valid of an FAT systems, while you can hardlink files also directories in i-node file system.