COMP-514 Assignment-7

1.

Windows 2000 supports several file systems, the most important of which are FAT-16, FAT-32, and NTFS (NT File System). FAT-16 is the old MS-DOS file system. It uses 16-bit disk addresses, which limits it to disk partitions no larger than 2 GB. FAT-32 uses 32-bit disk addresses and supports disk partitions up to 2 TB. NTFS is a new file system developed specifically for Windows NT and carried over to Windows 2000. It uses 64-bit disk addresses and can (theoretically) support disk partitions up to 264 bytes, although other considerations limit it to smaller sizes. Windows 2000 also supports read-only file systems for CD-ROMs and DVDs. It is possible (even common) to have the same running system have access to multiple file system types available at the same time.