File Systems
and as a before butes files were a sequence of records
ASCII Binary charlogited Block (magnetic tape) reodable executable I/O hand onlye (magnetic tape)
readable executable I/O ham all to him of other files
· Directories files that organize a hirearchy of other files
* UNIX sees the olisk as a sequence of prigodular but its own file system.
* UNIX sees the olisk as a sequence of physical blocks of fixed size. each olisk can be olivided into partitions each with its own file system.
Disks MBR Partition 1 Partition 2 [] Partitions
- ends with a - FS = iZe - index of 1st flee block - list of free biocks
-size of incode table
Disk Allocation Layoutso - list of Free incodes - index of first free incode
1-Contiguous. Store each the blocks
- almost no seek required to sopration
- excelled file repoling performance
disodve file grows => may have to move it internal fragmentation inside a single block
- internal fragmentation inside a single block
a tomal fragmentation between thes
a label lists the first word of each black contains in
- Marries OI THE TIGHT
advs - no more variable sized file allocation - no external fragmentation.
le le tache performance in some
- long seek time - long seek time - ammont of data perblock is no longera - ammont of data perblock is no longera power of 2
-ammont of data per block
3-Linked List with File Allecation Table (FAT): one entry perphysical bloc
it is a second of the property of the court
alice cize of block 13 1 mm value
- random access much easier since entire chain is in
disadre - entire table must be in menay at all times.
disodiva - entire table musi be in memory or the

