





- 1. Must store large amounts of data
- 2. Information stored must survive the termination of the process using it
- 3. Multiple processes must be able to access the information concurrently



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Extension	Meaning			
file.bak	Backup file			
file.c	C source program			
file.gif	Compuserve Graphical Interchange Format image			
file.hlp	Help file			
file.html	World Wide Web HyperText Markup Language document			
file.jpg	Still picture encoded with the JPEG standard			
file.mp3	Music encoded in MPEG layer 3 audio format			
file.mpg	Movie encoded with the MPEG standard			
file.o	Object file (compiler output, not yet linked)			
file.pdf	Portable Document Format file			
file.ps	PostScript file			
file.tex	Input for the TEX formatting program			
file.txt	General text file			
file.zip	Compressed archive			







Attribute	Meaning
Protection	Who can access the file and in what way
Password	Password needed to access the file
Creator	ID of the person who created the file
Owner	Current owner
Read-only flag	0 for read/write: 1 for read only
Hidden flag	0 for normal; 1 for do not display in listings
System flag	0 for normal files; 1 for system file
Archive flag	0 for has been backed up; 1 for needs to be backed up
ASCII/binary flag	0 for ASCII file; 1 for binary file
Random access flag	0 for sequential access only; 1 for random access
Temporary flag	0 for normal; 1 for delete file on process exit
Lock flags	0 for unlocked; nonzero for locked
Record length	Number of bytes in a record
Key position	Offset of the key within each record
Key length	Number of bytes in the key field
Creation time	Date and time the file was created
Time of last access	Date and time the file was last accessed
Time of last change	Date and time the file has last changed
Current size	Number of bytes in the file
Maximum size	Number of bytes the file may grow to















































Block Size											
Length	VU 1984	VU 2005	Web		Length	VU 1984	VU 2005	Web			
1	1.79	1.38	6.67		16,384	92.53	78.92	86.79			
2	1.88	1.53	7.67		32,768	97.21	85.87	91.65			
4	2.01	1.65	8.33		65,536	99.18	90.84	94.80			
8	2.31	1.80	11.30		131,072	99.84	93.73	96.93			
16	3.32	2.15	11.46		262,144	99.96	96.12	98.48			
32	5.13	3.15	12.33		524,288	100.00	97.73	98.99			
64	8.71	4.98	26.10		1,048,576	100.00	98.87	99.62			
128	14.73	8.03	28.49		2,097,162	100.00	99.44	99.80			
256	23.09	13.29	32.10		4,194,304	100.00	99.71	99.87			
512	34.44	20.62	39.94		8,388,608	100.00	99.86	99.94			
1024	48.05	30.91	47.82		16,777,216	100.00	99.94	99.97			
2048	60.87	46.09	59.44		33,554,432	100.00	99.97	99.99			
4096	73.51	59.13	70.64		67,108,864	100.00	99.99	99.99			
8192	84.97	69.96	79.69		134,217,728	100.00	99.99	100.00			





















































