

What is computer storage?

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Define the term storage device.

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What is storage media?

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Differentiate between fixed storage media and removable storage media.

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Differentiate between writing and reading as used with reference to computer storage.

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What is saving as used with reference to computer storage?

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How does primary storage differ from secondary/auxiliary storage?

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What is the difference between primary storage devices and secondary storage devices?

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Suggest two examples of primary storage and three examples of secondary storage.

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Differentiate between backup and backing up.

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How are personal backups created? Give three ways

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Suggest three advantages and three disadvantages of primary storage.

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Explain three advantages and three disadvantages of secondary storage.

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Define the following terms giving two examples for each.
Magnetic storage devices

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Solid state storage devices

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Optical storage devices

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Describe a floppy diskette.

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What must be done to a floppy diskette before it is used for data storage?

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Why?

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What is formatting as used under computer storage?

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Write down five ways through which you can care for floppy diskettes.

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Why may a hard disk fail to operate? Give four reasons

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Explain any four advantages and four disadvantages of using hard disks.

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Write short note on the following storage devices.

Memory cards

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Smart cards

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USB memory sticks (flash disks)

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Mention three applications of smart cards.

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What does the abbreviation CD stand for?

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What are CDs?

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Write the following abbreviations in full. What do they mean?

CD-ROM

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CD-R

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CD-Rw

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What is a Photo CD?

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What does DVD stand for and what does it mean?

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Write the following abbreviations in full and state what they mean?

DVD-ROM

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DVD-R

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DVD-Rw

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DVD-RAM

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What is a blu-ray disk?

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How can you care for compact disks? State four ways

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Explain four advantages and four disadvantages of using compact disks.

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What is online storage?

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Identify two advantages of online storage.

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What is a magneto-optical disk?

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Define the following terms
Storage capacity

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Transfer rate

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Access time

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Differentiate between a bit and a byte

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How many bits are in the following words?

DOCUMENTS	HOMELAND	STREAM
CALCULATIONS	ROM	FOOD

How many bytes are in the following capacities?

8 bits	16bits	32bits
64bits	96bits	128bits
256bits	712bits	896bits

How many bits are in the following capacities?

1byte	2bytes	4bytes
8bytes	16bytes	24bytes
32bytes	96bytes	128bytes

Convert the decimal numbers 42 and 20 to their binary equivalents.

Convert the binary numbers 101010 and 1111000 to their decimal equivalents.

Write short notes on the following methods of data access.

Radom/direct access

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Sequential/serial access

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Indexed sequential access

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State one advantage and one disadvantage for each of the above method of data access.

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Define the term machine cycle

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Explain the four stages of the machine cycle.

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