**Name** : Ahmed Atef Mohamed

**Section**: 1

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**1-List the access method on Memory?**

Sequential access.

Direct access.

Random access.

Associative.

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**2- Write notes about “Word” on Memory?**

The natural unit of organization of memory.

The size of a word is typically equal to the number of bits used to represent an integer and to the instruction length

Unfortunately there are many exceptions , the cray 90 has a 64-bit word length but used a 46-bit integer representation

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**3- Write notes about Memory hierarchy?**

There is a Trade off among the 3 key characteristics of memory

Capacity.

Access time.

The cost

The variety of technologies are used to implement memory systems and across this spectrum of Technologies .