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1. **List the access method on Memory?**
2. **Write notes about “Word” on Memory?**
3. **Write notes about Memory hierarchy?**

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**Answer**

[1]

1. Sequential
2. Direct
3. Random
4. Associative

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[2]

**(Word):** The natural unit of organization of memory. the size of word equals the number of bits used to represent an integer and the instruction length.

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[3]

**we decided to make Memory hierarchy to be easy to get our needs. So, we find in the top of Memory hierarchy**

# in board memory that contains: • Registers • Cache • Main memory

# Out board memory that contains: • Magnetic disk

# offline storage that contains: • Magnetic tape

**we get that finally that:**

• Increasing access time

• Increasing capacity

• Decreasing frequency of access of the memory by processor

• Decreasing cost per bit