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Section 8

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

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

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

*In computer architecture, a word is an ordered set of bytes or bits that is the normal unit in which information may be stored, transmitted, or operated on within a given computer. If a computer's memory is word-addressable then each word in memory is assigned its own memory address.*

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

*The memory in a computer can be divided into five hierarchies based on the speed as well as use. The processor can move from one level to another based on its requirements. The five hierarchies in the memory are registers, cache, main memory, magnetic discs, and magnetic tapes. The first three hierarchies are volatile memories which mean when there is no power, and then automatically they lose their stored data. Whereas the last two hierarchies are not volatile which means they store the data permanently.*