Name : Amr mansour Section:5

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

**Sequential access**

**Direct access**

**Random access**

**Associtative**

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

**Word 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**

**Write notes about Memory hierarchy?**

**There is a trade off among the 3 key characteristics of memory 1- capacity 2-access time 3- the cost**

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