**Haidy Ayman**

**Sec: 8**

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

**Answer**

(1)

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

(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.

(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