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Section “8”

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

* **Sequential**
* **Direct**
* **Random**
* **Associative**

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

**\*word the natural unit of organization of memory. the size of word equal the number of bits used to represent an integer and the instruction length.**

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

**If we needed to make prefect app so we need 3 things to get high qualifications to this app.**

**why we use Memory hierarchy!**

**We use it to get answers for 3 questions**

1. **How much?**
2. **How fast?**
3. **How cost?**

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

**1.in board memory**

**that contains :**

* **Registers .**
* **Cache .**
* **Main memory.**

**2. Out board memory**

* **Magnetic disk**

**3. offline storage**

* **Magnetic tape**

**So we get that :**

1. **Decreasing cost per bit .**
2. **Increasing capacity .**
3. **Increasing access time .**
4. **Decreasing frequency of access of the memory by processor .**