

## **Parnas's Criteria**

Primary goal of decomposition into modules is reduction of software cost

### **Specific goals of module decomposition :**

- Each module's structure should be simple enough to be understood fully
- It should be possible to change the implementation of one module without knowledge of the implementation of other modules and without affecting the behaviour of other modules
- The ease of making a change in the design should bear a relationship to the likelihood of the change needed
- It should be possible to make a major software change as a set of independent changes to individual modules
- A software engineer should be able to understand the responsibility of a module without understanding the module's internal design