Analysis of Algorithm: Idea	
- Alqueithm } Pscudo co	de
- Algusi Hum	-> Priori Analysii
- Derign	- Algorithm
- Basic knowledge	
programming language	- Independent og froglangsup
- Hardwall, OS	Independent of H/W
- Analysis	- Time & Space
Program	> Posterior Analysis
- Implementation	- Program
- programmer	•
- programming language	- Dependent of mogr. languye
- Hlw and OS	- Dependent on H/W & OS
- Testing	- Time
Charactericts of an Algorithm	
- Input -> 0/more	
- Output -> 1/more	
- Definite, Unambiques	
- Finite	
- Effective -> Time	& Space

Algorithm Complexity

1. Time factor

- Time is measured by counting the number of key operation such as comparisons in the sorting algorithm.

2. Space factor

- Space is measured by counting the maximum memory space required by the algorithm.

Asymptotic Notation -

- Asymptotic notation is an analysis of con algorithm refers to defining the mathematical boundations of its sun-time performance
- The time required by an algorithm will classify into 3 different cases -
 - 1- Best case Minimum time required
 for program execution (n)
 - 2. Average Case Average time required for program execution $\Theta(n)$
 - 3. Worst case Maximum time required
 for program execution (n)

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