

Analysis of Algorithms

(Background)

- what is meant by Algorithm Analysis?

Something that provides theoretical estimation for the required resources of an algorithm to solve a specific problem.

Analysis of algorithm means it determines the amount of time and space ⁱⁿ required for a code or software to execute.

- why Analysis of Algorithm is important?

- To see how an algorithm is working, without putting it in a specific computer.

- impossible to predict the actual behaviour of algorithm. It's always approximation.

- by this means by analysing different-different algorithms we compare them.

Types of Algorithms :- (or stages of algo)

1. Best case
2. worst case
3. Average case.